## **POOR LEGIBILITY**

# PORTIONS OF THIS DOCUMENT MAY BE UNREADABLE, DUE TO THE QUALITY OF THE ORIGINAL



1927 LAKESIDE PARKWAY SUITE 614 TUCKER, GEORGIA 30084 404-938-7710



C-586-4-9-76

April 12, 1989

Mr. A. R. Hanke Site Investigation and Support Branch Waste Management Division Environmental Protection Agency 345 Courtland Street, N. E. Atlanta, Georgia 30365

Date:	
ite Disposition:	
oject Manager:	

S EPA Pr

Subject:

Screening Site Inspection, Phase I

Anaconda Ind. Inc. Magnet Wire and Cable

LaGrange, Oldham, Kentucky EPA ID No. KYD042943423 TDD No. F4-8808-70

Dear Mr. Hanke:

FIT 4 was tasked to conduct a Screening Site Inspection of the Anaconda Ind. Inc. Magnet Wire and Cable facility in LaGrange, Oldham County, Kentucky. Phase I of this inspection included a review of EPA and state file material, completion of a target survey and a drive-by reconnaissance of the site.

The Anaconda Ind. Inc. Magnet Wire and Cable facility is located on Hwy. 146, just north of LaGrange, Kentucky (Ref. 1). The facility has been in operation since 1967 and manufactures numerous types of magnet wire and cables. From the process, a waste caustic wash solution, waste varnish and various unknown waste solvents are generated. On March 17, 1985, 250 gallons of cresylic acid were accidentally released into an 18-inch storm sewer that leads to an earthen ditch and ultimately to a "cooling pond", all of which are located on Anaconda property. The waste was allowed to settle to the bottom of the pond, and then it was pumped into 55-gallon drums. Eventually, 45 drums were filled with the waste (Refs. 2, 3).

In 1982, 100 drums, which bore the Anaconda Inc. name and contained phenolic compounds, were dumped on private property in LaGrange, Kentucky. This site is known as the Dawkins Road Dump or Jim Sanders Dump (EPA I.D. #KYD980839286). Samples taken by the state at this site revealed high concentrations of phenol, napthalene and cresylic acid (Ref. 4).

The facility is located in the Outer Blue Grass subdivision of the Blue Grass region of Kentucky. This region is underlain by interbedded limestones and shales of Ordovician and Silurian age. The regional climate is the humid continental type with a mean annual temperature of 55°F and annual regional precipitation of about 43 inches (Ref. 8). Regional lake evaporation is 35 inches leaving a net precipitation of 8 inches (Ref. 9).

Mr. A. R. Hanke Environmental Protection Agency TDD No. F4-8808-70 April 12, 1989 - page two

Groundwater occurs in the area primarily within the karst features of the underlying limestones. The facility is located in the center of a valley. The valley is underlain by Silurian to Ordovician age carbonates and shales present as follows in descending order: the Laurel Dolomite, the Osgood Formation, the Brassfield Limestone, the Saluda Limestone, the Liberty Formation and the Waynesville Limestone (Ref. 12, sheets; Ref. 11). The collective thickness of these carbonates is approximately 105-130 feet in the Oldham County area.

The Laurel Dolomite is exposed at the surface in the site area and is capable of yields of 100 to 500 gallons per minute to wells that are in valleys (Ref. 12). The movement of groundwater is through cracks and openings in thicker limestone units, and has enlarged these openings and created cavities and voids in the rock (Ref. 8, p. 23). The depth to the groundwater is unknown; however, the water table in the region tends to roughly parallel the topography and will fluctuate with local rainfall (Ref. 8). Few wells obtain water from depths below about 100 feet below land surface (Ref. 8, p. 21).

The city of LaGrange purchases water from Ohio Oldham Water Department and serves 1533 connections. Ohio Oldham Water Department obtains its water from five wells in Westport, Kentucky, approximately 9 miles from the facility. They serve approximately 3200 connections and cover the entire 4-mile radius of the facility with water lines (Ref. 5).

Not all residents use municipal water. They obtain their water from springs and cisterns. Wells are not common because of the high sulfur content in the groundwater (Ref. 6). There are no wells within the 4-mile radius. A private spring is located approximately 2000 feet northeast of the site (Refs. 5, 7). This spring is used for irrigation purposes.

Surface water at the site drains northwest into an intermittent stream approximately 500 feet from the facility. From there it flows into a freshwater wetland approximately 2.5 miles downstream from the facility. This wetland is 40 acres in size. From the swampy area, it proceeds into Harrods Creek and into the Ohio River approximately 20 miles downstream from the facility. Harrods Creek is heavily fished for catfish and bass, but it is not used as a source of drinking water (Refs. 1, 13).

The area surrounding the facility is mainly industrial and wooded. The site itself is surrounded by an 8-foot, chain-link fence with a security gate at its entrance (Ref. 5).

Based upon the enclosures and the above-referenced material, it is recommended that no further remedial action be planned at the Anaconda Ind. Inc. Magnet Wire and Cable facility. If you have any questions regarding this site, please feel free to contact me.

Very, truly yours

Jeff'Myers Project Manager

JM/dwf

**Enclosures** 

Approved:

#### REFERENCES

- 1. U.S. Geological Survey, 7.5 minute series Topographic Quadrangle Maps of Kentucky: LaGrange 1969 (Photorevised 1978), Smithfield 1969 (Photorevised 1978), Crestwood 1969, Ballardsville 1961 (Photorevised 1978), scale 1:2400.
- 2. Henry W. Jones, Sr. Engineer, Energy and Environment, Anaconda Ind. Inc. Magnet Wire and Cable, letter to William C. Burger, Coordinator, Environmental Response Team, March 29, 1985. Subject: A sudden release of hazardous materials.
- 3. John Brooks, Environmental Supervisor, Division of Waste Management, Department of Environmental Protection, Louisville Kentucky, letter to Robert P. Carne, Engineering Manager, Anaconda Ind. Inc. Magnet Wire and Cable. January 28, 1986. Subject: Inspection on January 22, 1986.
- 4. Robert L. Prewitt, Environmental Program Coordinator, memorandum to Caroline P. Haight, Manager, Permit Review Branch, Dept. of Environmental Protection, Frankfort, Kentucky, August 9, 1985. Subject: Uncontrolled Closeout for Anaconda, Inc. Magnet Wire and Cable.
- 5. NUS Corporation Field Logbook No. F4-1103 for Anaconda Ind. Inc. Magnet Wire and Cable, TDD No. F4-8808-70. Documentation of facility reconnaissance, October 31, 1988.
- 6. Greg Lewis, LaGrange, Kentucky Health Department, telephone conversation with Jeff Myers, NUS Corporation, November 4, 1988. Subject: Private water sources in LaGrange, Kentucky.
- 7. NUS Corporation, Well Inventory Form, October 31, 1988.
- 8. W.N. Palmquist, Jr. and F.R. Hall, "Reconnaissance of Ground-Water Resources in the Blue Grass Region Kentucky, "Water Supply Paper 1533, (U.S. Geological Survey, 1961), pp. 5, 7, 19-24.
- 9. U.S. Dept. of Commerce, <u>Climatic Atlas of the United States</u>, (Washington, D.C.: GPO,, June 1968) Reprint: 1983, National Oceanic and Atmospheric Administration.
- 10. U.S. Dept. of Agriculture, Soil Conservation Service, "Soil Survey of Oldham County Kentucky," (November, 1977) p. 1, 24.
- 11. R.C. McDowell et al, "Geologic Map of Kentucky," (U.S. Geological Survey in cooperation with the Kentucky Geological Survey, 1981) Scale 1:250,000.
- 12. W.N. Palmquist, Jr. and F.R. Hall, "Availability of Ground Water in Bullitt, Jefferson and Oldham Counties, Kentucky," Hydrologic Investigations Atlas HA-22, (U.S. Geological Survey, 1960), sheet 3 of 3.
- 13. Benjy Kinman, Kentucky Dept. of Fish and Wildlife, telephone conversation with Jeff Myers, NUS Corporation, November 10, 1988. Subject: Use of Harrods Creek.

## RCRA/NPL POLICY QUESTIONNAIRE FOR INITIAL SCREENING

Site	Name: Anaconda Ind Inc. Magnet Wire and C	sple	
Cits	y: La Grange state: Kentuc	ky	
EPA	I.D. Number: KYD 042 943 423	7	
Туре	of Facility: Generator Transporter Dispose Treatment Storage (more than 90 days	sal	, 
ı.	RCRA APPLICABILITY	yes	no
	Has this facility treated, stored or disposed of a RCRA hazardous waste since Nov. 19, 1980?	<del></del>	<u></u>
	Has a RCRA Facility Assessment (RFA) been performed on this site?		$\underline{\nu}$
	Does the facility have a RCRA operating or post-closure permit? If so, date issued	• <u> </u>	<u>~</u>
	Did the facility file a RCRA Part A application?	<u>/</u>	-
	<ul> <li>1) Does the facility currently have interim status?</li> <li>2) Did the facility withdraw its interim status?</li> <li>3) Is the facility a known or possible protective filer?</li> </ul>	=	5
	Is the facility a late (after Nov. 19, 1980) or non-filer that has been identified by EPA or the State?		<u>i/</u>
	STOP HERE IF ALL ANSWERS TO QUESTIONS IN SECTION I	ARE NO	
II.	FINANCIAL STATUS		
	Is the facility owned by an entity that has filed for bankruptcy under federal or State laws?		
III.	RCRA ENFORCEMENT STATUS		
	Has the facility lost authorization to operate or had its interim status revoked?		
	Has the facility been involved in any other RCRA enforcement action?		

## RECONNAISSANCE CHECKLIST FOR HRS2 CONCERNS

Instructions: Obtain as much "up front" information as possible prior to conducting fieldwc Complete the form in as much detail as you can, providing attachments as necessary. Cite the sour for all information obtained.

Site name: Anaconda Ind. Inc. Magnet Wire and Cable

City. County. Scare: Lagrange, Oldham, Kentucky

EPA ID No.: KYD042943423

Person responsible for form: Jeff Myers

Date: 10 -21-88

## Air Pathweny

Describe any potential air emission sources onsite: Nonc

identify any sensitive environments within 4 miles: None

identify the maximally exposed individual (nearest residence or regularly occupied building workers do count): The nearest resident to the facility is approximately 2000 ft. away. There is also a private spring at this location

#### **Groundwater Pathway**

Identify any areas of karst terrain: None

identify additional population due to consideration of wells completed in overlying aquifers to the AOC: Wells are uncommon to the area because of a heavy sulfur content, but there is a private spring just 2000 ft. From the facility

Do significant targets exist between 3 and 4 miles from the site? No

is the AOC a sale source aquifer according to Safe Drinking Water Act? (i.e. is the site located in Dade, Broward, Volusia, Putnem, or Flager County, Florida)  $N_{\phi}$ 

## Surface Water Pathway

Are there intakes located on the extended 15-mile migration pathway? No

Are there recreational areas, sensitive environments, or human food chain targets (fisheries) along the extended pathway? Harrows creek is fished heavily for bass teatfish.

### Onsite Exposure Pethway

Is there waste or contaminated soil onsite at 2 feet below land surface or higher?  $N_O$ 

is the site accessible to non-employees (workers do not count)? The facility is surrounded by a chain link fence

Are there residences, schools, or daycare centers onsite or in close proximity?

The nearest resident is approximately 2000 ft. approx

Are there barriers to travel (e.g., a river) within one mile?  $_{NO}$ 

PALIAND DWHIMD PYSTEM STIRGE SUMMARY

#### FOR

CNECONDA IND. INC. MASHET WIRE & CABLE
EPA SITE MUNBER KYDO48748422

LAGRANGE
CLIPHAM COUNTY: FY
EFA RESIGN: 4

SCORE STATUS: IN PREPARATION

SCORED BY JEFF MYERS OF NUS CORPORATION ON 11/07/08

DATE OF THIS REPORT: 04/11/89
DATE OF LAST MODIFICATION: 04/11/89

SURFACE WATER ROUTE SCORE: 5.70
SURFACE WATER ROUTE SCORE: 0.42
AIR ROUTE SCORE: 0.00

MIGRATION SCOPE : 4.12

## HAS GROUND WATER ROUTE SCORE

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	PHYSICAL STATE	3		Э
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#### HPS AIR ROUTE SCOPE

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- 0 to 0.50 mile
- 0 to t.0 mile
- O to 4.0 miles

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DISTANCE TO LAND USES
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PRIME FARMLAND
HISTORIC SITE WITHIN VIEW?

TOTAL TARGETS SCORE:

AIR ROUTE SCORE (Sa) # . 0.00

### HAZARD RANKING SYSTEM SCORING CALCULATIONS FOR SITE: ANACONDA IND. INC. MAGNET WIRE & CABLE AS OF 04/11/89

#### GROUND WATER FOUTE SCOPE

ROUTE CHARACTERISTICS 18
CONTAINMENT X 2
WASTE CHARACTERISTICS X 10
TARGETS X 16

= 3840 /57,330 X 100 = 0.70 = 8↓↓

#### SURFACE MATER ROUTE SCURE

ROUTE CHARACTERISTICS 13
CONTAINMENT X 2
WASTE CHARACTERISTICS X 10
TORGETS X 6

= 1560 /64,250 X 100 = 2.42 = S...

#### AIR ROUTE SCORE

OBSERVED RELEASE 0.00 = 0.00 = 0.00 = 0.00

### SUMMARY OF MIGRATION SCORE CALCULATIONS

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## **Potential Hazardous Waste Site**

Site Inspection Report



# **Site Inspection Report**

SEPA

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

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OF STATE 12 SITE TAMES

(Y) 042943423

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I. IDENTIFICATION

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OF DESCRIPTION OF ANY OTHER INICIAL, F	POTENTIAL OR ALLEGED HAZAFOS		
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O1 STORAGE DISPOSAL Chair of this spany	OZ AMOUNT OJ UNIT C	OF MENENNE	04 TREA	THENT ICHOR OF THE OR		OS OTHER
A SURFACE IMPOUNDMENT				CENTRATION		C A BUILDINGS ON SITE
C B. PILES C C. OPUMB. ABOVE GROUND						A V MANAGEMENT OUT ON E
C D. TANK, ABOVE GROUND				MACAL/PHYSICAL DLOGICAL	<b>b</b>	
= E. TANK. BELOW GROUND				MITE OIL PROCESS	ING.	ON AREA OF SITE
S F LANGFILL				LVENT RECOVERY		L L
I G. LANGFARM  I H. OPEN DUMP ()			□ 4.01	THER RECYCLINEAR	<b>ECOVERY</b>	
RIOTHER OVER TOW SOIL	250 aul 403	— <sub>1</sub>	U 77. U	(Box	-	1
07 COMMENTS						<u></u>
IV. CONTAINMENT						
OI CONTAINMENT OF WASTER COMMENT						
C A. ADBOUATE, SECURE	O & MODERATE	0 G.R	MOSQUAT	/L /-00X	() (). Seemen	NE, UNICOUND, OANGEROUS
22 DESCRIPTION OF BRUNE, CHEME, LANSING	,					
V. ACCESSIBILITY						
OI WASTE SASE, V ACCESSION.	88 C NO '					
VL SOURCES OF INFORMATION CO.						

<b>SEPA</b>		ntial Hazai Site Inspec Demograph	TION REP	ORT			ENTIFICATION ATE 02 SITE HUMBER
H. DRINKING WATER SUPPLY  21 TYPE OF DRIBUNG SUPPLY  COMMUNITY A Z  NON-COMMUNITY C Z  III. GROUNDWATER	well ».* springo = eyster	02 STATUS ENDANGEN A. II A. II	ED AFFE 8. E.		MONITORED C.C.	•	2000 Ft. mi)
31 GROUNDWATER USE IN VICINITY CHINE OND  A ONLY SOURCE FOR DRINKING S B DRINKING COMMERCIAL ROUSTRIAL INFRQATION S D NOT USED, UNUSEABLE COMMERCIAL ROUSTRIAL INFRQATION S D NOT USED, UNUSEABLE COMMERCIAL ROUSTRIAL INFRQATION  COMMERCIAL ROUSTRIAL INFRQATION  CLISTEEN CARD CLISTERAL COMMERCIAL ROUSTRIAL INFRQATION  CLISTERAL CARD CLISTERAL COMMERCIAL ROUSTRIAL INFRQATION  CLISTERAL CARD CLISTE							
22 POPULATION SERVED BY GROUND WAT 04 DEPTH TO GROUNDWATER	OS DIRECTION OF GROU	PIOWATER PLOW	OS DISTANO OS DISPTH TO OF COND	ACLETER	OF POTENTIAL VIEW		OS SOLE SOURCE AGUIFER
10 RECHARGE AREA  C YES   COMMENTS	400 or 1000 400 0		11 000 WA	IE MEA	n		·
O' SURFACE WATER  O' SURFACE WATER USE (Clear one)  O' A. RESERVOIR, RECREATION O' B. PRESATION, SCONOMICALLY O' C. COMMERCIAL, INDUSTRIAL O' D. NOT CURRENTLY USED CREMENS WATER SOURCE AFFORT ASSOURCES							
92 AFFECTED FOTENTIALLY AFFECTED SO NAME:  V. DEMOGRAPHIC AND PROPERTY					APPECTED		DISTANCE TO SITE
01 TOTAL POPULATION WITHOU	O (2) MALES OF SITE	•	) MELES OF S	ine .	COTT-OTTE GLACING		LATON
OS POPULATION WITHON VICINITY OF SITE A							<b></b>

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, t,	DENT	IF-CA	"CN	
31	STA'E	C3 2.E	W- WOE =	

<b>VETA</b>	PART 5 - WATER, DEMOGRA	APHIC, AND ENVIRONMENTAL DATA
VI. ENVIRONMENTAL NEORM		
31 PERMEABILITY OF . NSATURATED !	ZONE Cress area	
∑ A 10-4 - 10-	1-4 cm/secC 8. 10-4 10-4 cm/sec	Ø C. 10-4 - 10-3 onvess: □ D. GREATER THAN 10-3 onvess
DE PERMEABILITY OF SEGROCK CHEE	I stel	
		EABLE & C RELATIVELY PERMEABLE TO VERY PERMEABLE Green non 12 7 description
DO DEPTH TO BESPOON	34 DEPTH OF CONTAMINATED SOIL ZONE	39 SOIL art
SO WET PRECUMITATION	2.5	SITE SLOPE DIRECTION OF SITE SLOPE TERRAIN AVERAGE SLOPE
DE PLOCO POTENTIAL	(m)	_3.4_\
SITE IS IN YEAR FLO	= SITE IS ON BAI	RRIER IGLAND. COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY
11 DISTANCE TO WETLANDS IS MIT THE	~	12 DISTANCE TO CRITICAL MARTATIO MEMPERS GROUP
ESTUARME	PANTO	
A(mi)	0(mt)	BIOMIGENED SPECIES:
13 LAND LISE AT VICINITY		
DIETANCE TO:		
COMMERCIAL/NEUSTR	RESIDENTIAL AREAS: NAT IAL FORESTS, OR WILD	TONALISTATE PARKS.  AGRICULTURAL LANCE RUPE RESERVES  PRIME AG LANC  AG LANC
1500 ft.	2000	Off. (ma) 0
14 DESCRIPTION OF SITE IN RELATION T	TO SLOSDING TOPOGRAPHY	<del></del>
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VIL SOURCES OF INFORMATION	1) A	A 404
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<b>∂EPA</b>		POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT ART 6 - SAMPLE AND FIELD INFORMATION	L SOUTH OF	
IL SAMPLES TAKEN				
SAMPLE TYPE	SAUFLES TAKEN	OS SAMPLES SENT TO		STAC OFFMATES DATE
GROUNDWATER				
SURFACE WATER				
MASTE				
<b>M</b>				
RUNOFF				
SPILL			·····	
SOL				
VEGETATION				
OTHER				
IL FIELD MEASUREMENTS TA				
OI TYPE	OS COMMENTS			
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IV. PHOTOGRAPHS AND MAPE				
OF TYPE C GROUND C ASTAL		at in question of		
G YES G4 LOCATION	<del>o wa</del>			
C NO				
V. OTHER PIELD DATA COLLE	10) white			
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YL SOURCES OF INFORMATIO	N resource resources, a	g, cash file aurain ordinal, reports		
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EPA PORM 3070-13 (7-81)

<b>∂</b> EPA		SITE INSI	ZARDOUS WASTE SITE PECTION REPORT WHER INFORMATION	I. IDENTIFH	CATION SITE HUNGER
H. CURRENT OWNERS)			PARENT COMPANY		
WHAT HE WHORK		02 0+6 HARRER	OS NAME		REPLANT B+C 0
3 STREET ADDRESS # 2 Son 440 # ore.		04 SEC COOS	10 STREET ACCRESSIF O But APO F ost :		11 SIC CODE
CITY	DO STATE	107 2P COOM	12 CITY	STATE (	A ZIP COOE
1 NAME		02 0+6 MUNER	OB NAME		9 0 + 8 MUMBER
STREET ACCRESSIF O des RFD # ere i		04 SIC CODE	10 STREET ACCRESS (P.O. Sun. APO P. com.)		· · SIC CCC€
I an	OS STATE	07 29 CODE	12 CITY	13 STATE	1 & 21P CODE
T MAME		02 D+S MUNICER	DE NAME		00 0 + 8 MUMBER
STREET ACCRESS (F.O. Age. AFD F one.)		04 SIC CODE	10 STREET ACCRESS IP G. das. APD # ast.	<del></del>	1 · SIC COOE
e CITY	OG STATE	67 2P COOL	12 017	13 STATE	1 2 COM
1 WAR		02 0+8 M.M.	06 NAME		DO D - S MANUER
S STREET ADDRESS (P 0 des. AFD F ms.)		04 SC 0008	10 STREET ACCRESS (P G. Sps. 479 F ms.)	<u></u>	11 SIC COOE
SCITY	GO STATE	O7 29 COOL	ISCHY	13 STAFE	14 DP CODE
L PREVIOUS OWNER(S) (Les eaux eaux eaux	<del></del>	<u> </u>	IV. REALTY OWNERS IT	2 cata cata gas	
1 MARIE		00 0+0 MANUEL	OT MALES		DE D+ S NUMBER
S STREET ACCRESS IP O. day, APP # day,		64 SE COM	00 STREET ABBITAGO P G. CO. 170 F. CO.;		04 SIC COOS
law	OF GAME	W Proses	a div	GS STATE	67 AP CODE
T WAR		E 3+5/4/2/EE	ST COMM		02 0+6 HAMMA
STREET ASSPESSA P G San, APP P. CO.)		44 SE COM			04 SIG CODE
I GIV		J- 6384	as GIV		er as cost
1 Page 1		60 6+6 HA4681			08 0+ 8 MJANSSA
S STREET ACCRECAGE OF C San, APPA, cas.		GA 802 COM	00 STITUST ASSESSED & C. San. 479 f. on.		94 BIC CODE
igiv	0007274	# 20 cost	06 GITY	S SIANE	67 <del>29</del> 0004
V. SOURCES OF INFORMATION (III) gas					

III. CURRENT OPERATOR PARENT COMPANY COMMENT OF SHAREST COMPANY COMPANY CONTINUES.  33 STREET ADDRESS / O SAL AND / MI   13 SECODE   12 STREET ADDRESS / O SAL AND / MI   13 SECODE   13 SECODE   14 CITY   15 STATE   14 CP CODE   15 STATE   16 CP CODE   16 CITY   17 STATE   16 CP CODE   17 CITY   18 STATE   16 CP CODE   17 CITY   18 STATE   18 CP CODE   18 CITY   18 CP CODE   18 CITY   18 CP CODE   18 CP CO	<b>SEPA</b>		PC	Site inspe	ZARDOUS WASTE SITE ECTION REPORT ATOR INFORMATION	I. IDENTIFE	CATION SITE NUMBER
GO DIE RALAMENT DE MANAGER P. D. DEL AND P. DEL COOR 12 STREET ADDRESS P. D. DEL AND P. DEL 13 SECCOOR 13 SETATE 15 SECCOOR 13 SETATE 15 SECCOOR 14 CETY 15 SETATE 15 SECCOOR 15 SECOOR 15 SECO		OR					
25 CTTY OS STATE OF COOR 14 CTTY 15 STATE 16 DP COOR  18. PREVIOUS OPERATION OS MANS OF OWNERS  10. MANS 10. COOR 12 STATE 16 DP COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE. MANS 11 DE COOR 12 STREET AGORSS (P. D. DE. AND P. DE COOR 13 STATE 12 DE COOR 13 STREET AGORSS (P. D. DE. AND P. DE COOR 13 STATE 14 DE COOR 13 STREET AGORSS (P. D. DE. AND P. DE COOR 13 STATE 14 DE COOR 13 STREET AGORSS (P. D. DE. AND P. DE COOR 13 STATE 14 DE COOR		• • • • • • • • • • • • • • • • • • • •		02 0+0 MAGES			11 0+8 MARCH
28 CTTY OS STATE OF DE CODE 14 CTTY 15 STATE 16 DE CODE  18. PREVIOUS OPERATION   DE NAME OF OWNERS   DE CODE 16 CTTY   DE CODE 17 STATE 16 DE CODE 17 STATE 17 DE CODE				12: 22			
DE PERMISSION DE NAME OF CHINATE DURING THE PERMISSION OF STATE OF SPACES  10 FAME  10 FAME  10 FAME  10 FAME  10 FAME  11 DE NAME  11 DE	33 STREET ACORESS # 2 4	les MOP are:		D4 SE COOR	12 STREET ACCRESS IP O SAL APOP on I		13 SIC COOE
IR. PREVIOUS OPERATORS	35 CMV		OS STATE	07 20 COOS	14 CTV	STATE !	I & ZIP COOE
OS DE BALAMER DO DESATRON DE RAME DE CAMBON DURANTA TRAS PERSON  OS STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  12 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  13 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  14 CITY  OS STATE DE STATE DE SON AMO P DE STATE DE ZO CODE  15 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  16 CITY  OS STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  17 STREET ADDRESS P O DE AMO P DE STATE DE ZO CODE  18 STREET ADDRESS P O DE AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  19 STREET ADDRESS P O DE AMON AMO P DE STATE DE ZO CODE  10 STREET ADDRESS P O DE AMON AMO P DE ZO CODE  10 STREET ADDRESS P O DE AMON AMO P DE ZO CODE  10 STREET ADDRESS P O DE AMON AMO P DE ZO CODE  10 STREET ADDRESS P O DE AMON AMO P DE ZO CODE  10 STREET ADDRESS P O DE AMON AMO P DE ZO CODE  10 STREET ADDRESS P O DE AMON AMON AMON AMON AMON AMON AMON AMON	DE FEARE OF OPERATION	DO MANE OF OWNER	السلم	<del></del>			
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OS STREET ACCRESS IF G. BILL APP F. BILL A	DE YEARS OF OPERATION	05 HALE OF OWNER	to the	PERS			
OS STREET ACCRESS IF G. BILL APP F. BILL A		<u> </u>					
OF STATE OF CHARGE OF CHARGE OF CHARGE OF CHARGE THE PERSON  10 STREET ACCRESS (F G. Str. AFG.)  11 STATE OF CHARGE OF CHARCE	01 NAME			E D-S MARKET	10 1642		1 D+6 NUMBER
DE VEARS OF OPERATION OR HAME OF OWNER BURBLE THE PERIOD  10 STREET ADDRESS IF G. SILL MOV. SILL  11 STATE 10 SP CODE  12 STREET ADDRESS IF G. SILL MOV. SILL  13 ST CODE  14 STATE 10 SP CODE  15 STATE 10 SP CODE  16 STATE 10 SP CODE	DO STREET ASSPECTS IF G. Son	LANGE COLL		04 85 5000	12 STREET ASSESSES (F. G. Con. AFD F. con.)		13 Sic Code
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SO STATE OF	AT PARAME			A Style relatings		ľ	1
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N COLOCUE OF DECOMATION	SE CITY		OF STATE O	79 con	14 <b>GIV</b>	16 STATE	● <b>2000</b> €
N. SOURCES OF DIFORMATION and quadratements age, and day surest reports.	DE YEARS OF OPERATION	00 mm 00 000000 1	2000	70100			<del></del>
IV. SOUTCHS OF REPORTED TO CONTRACT AND		***					
	N. SOURCES OF STATE	William Control					

III. OFF-SITE GENERATOR(S)	02 STATE 07	O+6 NUMBER  O+6 NUMBER	OT NAME  OS STREET ACCINESE (P O due MOD o con.)  O4 CITY  O1 NAME	Od STATE	22 3 - 6 NUMBER 24 SKC CCCE
STREET ADDRESS # : AM MO# ME!  STATE  STREET ADDRESS # 0 dos APD# ME;  STAME  T NAME	02 STATE 07	OA SIC CODE  D+9 RILMSER  OA SIC CODE  2P CODE	OS STREET ACCINESE (P.O. aug. MO.P. suc.)	Od STATE	24 SIC CODE
III. OFF-BITE GENERATORIS)  3 STREET ADDRESS FO But APD F Mr.  E CITY  T NAME	OZ	D+S MUMBER  0+SMC COOR  SP COOR	OS STREET ACCINESE (P.O. aug. MO.P. suc.)	Od STATE	24 SIC CODE
III. OFF-SITE GENERATORIS)  3 STREET ACCRESS FO SM. MFOF MF.  E CITY  NAME	OZ	O+6 NUMBER  O+6 NUMBER	OS STREET ACCINESE (P.O. aug. MO.P. suc.)	Od STATE	24 SIC CODE
STREET ADDRESS FO But AFOF Mr.	STATE OF	04 SIC CODE  ZIP CODE  0+6 NUMBER	OS STREET ACCINESE (P.O. aug. MO.P. suc.)	Od STATE	24 SIC CODE
S CITY OF	STATE OF	04 SIC CODE  ZIP CODE  0+6 NUMBER	OS STREET ACCINESE (P.O. aug. MO.P. suc.)	Od STATE	24 SIC CODE
I CATY OF		20 COOL 0+6 NUMBER	os arv		
NAME		0+6 NUMBER			OF ZIP CODE
	02		01 <b>ALLAS</b>		
STREET ACCRESS IP G. des. APD # sta.)			1		02 0 + 6 MUMBER
		04 BC CCCE	03 STREET ADDRESS IP 0. San. APP P. 481.		04 SIC CODE
i arv	STATE 07	29 CODE	06 CTY	ON STATE	O7 COOE
/. TRANSPORTER(S)					
	C.S	D+ B IO. AMERICA	O1 MANG		RBBMUM B+0 SD
STREET ACCRESS IP G. CO. AVE P. MILI		04 <b>6C 0008</b>	03 STREET ACCRESS (P 0: One. 470 P. ma.)	ادا	04 SIC COOE
aiv a	STATE OF	2000	os carv	de STATE	67 20 COCE
NAME .	oe.	0+6 HARRI	O1 MARE		REPAIN 8+0 SO
STREET ACCRECASE IP & San, APS P, con.)		64 8E 000E	06 5110g17 A007066 (* 0 0m MO / mu)		04 SEC COOR
an	STATE OF	<b>3</b> 000	es celv	SE STATE	67 \$P 0004
SOURCES OF INFORMATION ASSESSMENT	44.	***			
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### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 18 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

<b>OCIA</b>	PART 10 - PAST RESPONSE ACTIVITIES		
IL PAST RESPONSE ACTIVITIES			
01 TA. WATER SUPPLY CLOSED 04 DESCRIPTION	02 CATE	OJ AGENCY	
01 TE TEMPORARY WATER SUPPLY PROVOE 04 DESCRIPTION	D 02 DATE	03 AGENCY	
31 TO PERMANENT WATER SUPPLY PROVIDE 04 DESCRIPTION	D 02 DATE	33 AGENCY	
01 TO SPILLED MATERIAL REMOVED 04 DESCRIPTION	OZ DATE	OJ AGENCY	
01 T. E. CONTAMBUATED SOIL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY	
01 C F WASTE REPACKAGED 04 DESCRIPTION	OZ DATE	03 AGENCY	
01 T. G. WASTE DISPOSED SUSEWINGTE 04 DESCRIPTION	STAC SO	03 AGENCY	
01 G H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	OS ACENCY	
01 C I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	CE CATE	03 AGENCY	
01 C J. IN SITU SIGLOGICAL TREATMENT 04 DESCRIPTION	OR DATE	OS AGENCY	
01 C K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	GE DATE	09 AGENCY	
01 C L ENCAPSULATION 04 COSCRETION	OR CAFE	OS AGENCY	
OF CHARGON CY HAUTE THEATHERT	OF DATE	OS ASSECT	
01 C N. CUTOPP WILLS 04 DESCRIPTION	02 OATE	09 AGENCY	
01 C O EMERGENCY CHEMO-BUPFACE WATER B 04 CRECIPTION	INSTRUCTION OR DATE	03 AGENCY	
01 C.P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	CR DATE	03 AGENCY	
01 C Q. SUBSUIPACE CUTOFF WALL	OZ DATE	OS AGENCY	

<b>∂EPA</b>	POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES		I. IDENTIFICATION OI STATE DE STÉ MARIER
II PAST RESPONSE ACTIVITIES Comment			
01 IR SAMPER WALLS CONSTRUCTED 04 DESCRIPTION	OZ DATE	03 AGENCY	
31 3 CAPPING COVERING 34 DESCRIPTION	OZ CATE	03 AGENCY.	
01 I T BULK TANKAGE REPAIRED 04 DESCRIPTION	OZ GATE	OS AGENCY	
01 = U GROUT CURTAN CONSTRUCTED 04 DESCRIPTION	GE DATE	OS AGENCY	
01 T V BOTTOM SEALED 04 DESCRIPTION	OZ GATE	03 AGENCY	
01 T W GAS CONTROL 04 DESCRIPTION	OZ DATE	03 AGENCY	
01 3 X. FIRE CONTROL 04 DESCRIPTION	GS DATE	OS AGENCY.	
01 CY LEACHATE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY	
01 I Z. AREA EVACUATED 04 DESCRIPTION	OS DATE	OS AGENCY_	
01 C 1 ACCESS TO SITE RESTRICTED 04 DESCRIPTION	OF DATE	03 AGENCY.	
01 C 2. POPULATION PELOCATED 04 DESCRIPTION	OF BATE	OS ASSINCY_	
01 (2.) OTHER REMEDIAL ACTIVITIES OF CONCENTRON	OE SAFE	00 AGENCY_	
R. SOURCES OF INFORMATION (Chrystal return			

	CITE IMEDEATION	SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION	
<b>SEPA</b>	PART 11 - ENFORCEMEN		
ENFORCEMENT INFORMATION			
PAST REQULATORY ENFORCEMENT ACT	TON I YES I NO	,	
DESCRIPTION OF FEDERAL STATE LOC	AL REGULATORY/ENFORCEMENT ACTION		<del></del>
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	and applicant etc. on ar the sinks which which		

## POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

#### General Information

The Potential Hazardous Waste Site, Site Inspection Report form is used to record information collected during, or associated with, an inspection of the site and other information about responsible parties and past response activities.

The Site Inspection Report form contains eleven parts:

- Part 1 Site Location and Inspection Information
- Part 2 Waste Information
- Part 3 Description of Hazardous Conditions and Incidents
- Part 4 Permit and Descriptive Information
- Part 5 Water, Demographic, and Environmental Data
- Part 6 Sample and Field Information
- Part 7 Owner Information
- Part 8 Operator Information
- Part 9 Generator/Transporter Information
- Part 10- Past Response Activities
- Part 11 Enforcement Information
- Part 1 Site Location and Inspection Information contains all of the data elements also contained on the Site Identification and Preliminary Assessment forms required to add a site to the automated Site Tracking System (STS). It is therefore possible to add a site to STS at the Site Inspection stage. Instructions are given below.
- Part 2 Waste Information and Part 3 Description of Hazardous Conditions and Incidents are used to record specific information about substances, amounts, hezards, and targets, e.g., population potentially affected. Parts 2 and 3 are also contained in the Potential Hazardous Waste Site, Preliminary Assessment form. Information recorded on Part 2 and Part 3 during a preliminary assessment may be updated, added, deleted, or corrected on the Site Inspection Report form.

An Appendix with feedstock names and CAS Numbers and the most frequently cited hazardous substances and CAS Numbers is located behind the instructions for the Site Inspection Report.

A number of the data items collected throughout the Site Inspection Report support the Site Renking Model. The majority of these data items are found in Pert 8 — Weter, Demographic, and Environmental Date.

#### **General Instructions**

- 1. Complete the Site Inspection Report form as completely as possible.
- 2. Starred items (\*) are required before inspection information can be added to \$75. The system will not accept incomplete inspection information.
- 3. To add a site to STS at the Site Inspection stage, write "New" across the top of the form and complete items 11-01, 02, 03, 04, and 08, Site Name and Location, 11-09 Coordinates, and 11-10, Type of Ownership.
- 4. Data items carried in STS, which are identical to those on the Site Identification and Preliminary Assessment forms and which can be added, deleted, or changed using the

Site Inspection Report form, are indicated with a bound sign (at). To ensure that the proper action is taken, outline the item(s) to be added, deleted, or changed with a bright color and indicate the proper action with "A" (add), "D" ideletel or "C" (change).

5. There are two options available for adding, deleting, or changing information supplied on the Site Inspection Report port form. The first is to use a new Site Inspection Report form, completing only those items to be added, deleted, or changed. Mark the form clearly, using "A", "O" or "C" to indicate the action to be taken. If only data in STS are to be altered, the Site Source Data Report may be used. Using the report, mark clearly the items to be changed and the action to be taken.

#### Detailed Instructions

#### Part 1 Site Leasten and Inspection Information

- Identification: Identification (State and Site Number) is the site record key, or primary identifier. for the site. Site records in the STS are updated based on Identification. It is essential that State and Site Number are correctly entered on each form.
- \*1-01 State: Enter the two character alpha FIPS code for the state in which the site is located. It must be identical to State on the Site Identification form.
- \*I-02 Site Number: Enter the ten character alphanumeric code for sites which have a Dun and Bradstreet or EPA "user" Dun and Bradstreet number or the ten character numeric GSA identification code for federal sites. The Site Number must be identical to the Site Number on the Site Identification and Preliminary Assessment forms.
- 11. Site Name and Leastion: If Site Name and Location information require no additions or changes, these items are not required on the Site Inspection Report form. However, completing these items will facilitate use of the completed form and records management precedures.
- all-02 Site Street: Error the street address and number (if appropriate) where the site is located. If the precise street address is unaveilable for this site, enter brief direction identifier, e.g., NW Jct 1-295 & US 99; Past Rd, 5 mi W of Rt. 5.
- seli-G3 Site City: Enter the city, town, village, or other municipality in which the site is located. If the site is not lessed in a municipality, enter the name of the municipality (or place) which is nearest the site or which most easily locates the site.
- #11-04 Site State: Enter the two character sions FIPS code for the state in which the site is located. The code must be the same as in-item I-01.
- #11-05 Site Zip Code: Enter the five character numeric ZID code for the postal zone in which the site is located.

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- ###-06 Site County Enter the name of the county, parish gouls analy or corough Alaska) in which the site silocated
- #II-07 County Code. Enter the three character numeric FIPS county code for the county, perish, or borough in which the site is located. (The regional data analyst can furnish this data item.)
- #II-08 Site Congressional District: Enter the two character number for the congressional district in which the site is located.
- \*#II-09 Coordinates. Enter the Coordinates, Latitude and Longitude, of the site in degrees, minutes, seconds, and tenths of seconds. If a tenth of a second is insignificant at this site, enter "0" in the tenths position.
- ati-10 Type of Ownership: Check the appropriate box to indicate the type of site ownership. If the site is under the jurisdiction of an activity of the federal government, enter the name of the department, agency, or activity. If Other is indicated, specify the type of ownership and name.

#### III. Inspection Information

- \*III-01 Date of Inspection: Enter the date the inspection occurred, or began for multiple day inspections.
- "III-02 Site Status: Check the appropriate box(as) to indicate the current status of the site. Active sites are those which treat, store, or dispose of wastes. Check Active for those active sites with an inactive storage or disposal area. Inactive sites are those at which treatment, storage, or disposal activities no longer occur.
- #111-03 Years of Operation: Enter the beginning and ending years (or beginning only if operations at the sits are on-going), e.g., 1878/1932, of sits operation. Check Unknown if years of operation are not known.
- \*111-04 Agency Performing Inspection: Check the appropriate box(es) to indicate participating in the inspection. If contractors participate, provide the name of the firm(s).
- III-05 Chief Inspector: Enter the name of the chief, or lead inspector.
- III-08 Title: Error the Chief Inspector's title, e.g., Team Leeder, FIT team.
- 111-07 Organization: Enter the name of the organization where the Chief Inspector is employed, e.g., EPA Region 4, VA State Health Dept., Environmental Research Co.
- III-08 Telephone Number: Enter the Chief Inspector's area code and local commercial telephone number.
- III-09 Other Inspectors: Enter the names of other parties participating in the inspection.
- III-10 Title: Enter the titles of other participating in the inspection.
- III-11 Organization: Enter the nemes of the organizations where other parties participating in the inspection are employed.
- III-12 Telephone Number: Enter the eres code and local commercial telephone numbers of other parties per-ticipating in the inspection.

- of individuals representing responsible parties than viewed in connection with the inspect on the views do not necessarily occur during the inspect tion.
- 111-14 Title: Enter the titles of the individuals interviewed
- III-15 Address: Enter the business, mailing, or resident as addresses of the individuals interviewed.
- IIII-16 Telephone Number: Enter the area code and local commercial telephone numbers of the individuals interviewed.
- III-17 Access Gained By: Check the appropriate poxito indicate whether access to the site was gained through permission or warrant.
- III-18 Time of Inspection: Using a 24-hour clock, enter the time the inspection began, e.g., for 3 24 a.m. enter 1524.
- 111-19 Weather Conditions: Describe the weather conditions during the site inspection, especially any unusual conditions which might affect results or observations taken.

#### IV. Information Available From

- IV-01 Contact: Enter the name of the individual who can provide information about the site.
- IV-02 Of: If appropriate, enter the name of the public or private agency, firm, or company and the organization within the agency, firm, or company of the individual named as Contact.
- 1V-03 Telephone Number: Enter the area code and local telephone number of the individual named as contast.
- IV-04 Person Responsible for Sits Inspection Report Form: Enter the name of the individual who was responsible for the information entered on the Site Inspection Report form. The person responsible for the Site Inspection Report form may be different from the individual who prepared the form.
- IV-05 Agency: Enter the name of the Agency where the individual who is responsible for the Site Inspection Resert form is employed.
- IV-08 Organization: Enter the name of the organization within the Agency.
- IV-07 Telephone Number: Enter the area code and local telephone number of the individual who is responable for the Site Inspection Report form.
- IV-08 Date: Enter the date the Site Inspection Report form was prepared.

## Part 2 Wasto Information

- •j. identification: Refer to Part 1-1.
- (i). Waste States, Quantities, and Characteristics: Waste States, Quantities, and Characteristics provide information about the physical structure and form of the waste, measures of gross amounts at the site, and the heards posed by the waste, considering acute and charants health effects and mobility along a pathway.

- 1 31 Physical States Check the appropriate boxies to indicate the state such waste present at the site, if Other is no cated, specify the physical state of the waste.
- \*11-02 Waste Quantity at Site: Enter estimates of amounts of waste at the site. Estimates may be in weight (Tons) or volume (Cubic Yards or Number of Orums). Use as many entries as are appropriate; however, measurements must be independent. For example, do not measure the same amounts of waste as both tons and cubic yards.
- \*II-03 Waste Characteristics: Check all appropriate entries to indicate the hazards posed by waste at the site. If waste at the site poses no hazard, check Not Applicable.
- III. Wests Category: General categories of waste typically found are listed here. Enter the estimated gross amount of each category of waste and the appropriate unit of measure.
- \*III-01 Gross Amount: Gross Amount is the estimate of the amount of the wests category found at the site. Estimates should be furnished in metric tone (MT), tons (TN), cubic meters (CM), cubic yards (CY), drums (DR), scres (AC), scre feet (AF), liters (LT), or gallons (GA). Enter the estimated amount next to the appropriate wasts category.
- \*111-02 Unit of Messure: Enter the appropriate unit of messure, MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yerds), DR (number of drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons) next to the estimate of gross amount.
- (III-03 Comments: Comments may be used to further explain, or provide additional information, about perticular wasta categories.
- IV. Hexardeus Substances: Specific hexardous, or potentially hexardous, chemicals, mistures, and substances found at the site are listed here. For each substance listed those data items marked with an "et" sign (©) must be included.
- ## O1V-01 Category: Enter in front of the substance name the three character waste category from Sestion III which best describes the substance, e.g., OLW (Oily Weste).
- 91V-02 Substance Nemz: Enter one of the following: the name of the substance registered with the Chemical Abstract Service, the common or excepted abbreviation of the substance, the generic name of the substance, or commonsist name of the substance.
- ©1V-03 CAS Number: Enter the number assigned to the substance when it was registered with the Chemical Abstract Service. Refer to the Appendix for most frequently cited CAS Numbers. CAS Numbers must be furnished for each substance ileted. If a CAS Number for this substance has not been assigned, enter "988".
- ©1V-04 Storage/Disposal Method: Enter the type of storage or disposal facility in which the substance was found: \$1 (surface impoundment, including pits, ponds, and legoons), PL (pile), DR (drum), TK (tank), LF (landfill), LM (landfarm), OD (open dump).

- IV-05 Concentration. Enter the concentration primary stance found in samples taxen at the site.
- IV-06 Measure of Concentration: Enter the additionarial unit of measure for the measured concentration on the substance found in the sample, e.g., MG \_ UG/L.

#### V. Feedstocks

- V-01 Feedstock Name: If feedstocks, or substances derived from one or more feedstocks, are present at the site, enter the name of each feedstock found. See the Appendix for the feedstock list.
- V-02 CAS Number: Enter the CAS Number for each feedstock named. See the Appendix for feedstock CAS Numbers.
- VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.
- Pert 3 Description of Hazardous Conditions and Incidents
- \*1. Identification: Refer to Part 1—1.
- II. Hazardous Conditions and Incidents:
  - II-01 Hazards: Indicate each hazardous, or potentially hazardous, condition known, or claimed, to exist at the site.
  - II-02 Observed, Potential, or Alleged: Check Observed and enter the date, or approximate date, of occurrence if a release of contaminants to the environment, or some other hezerdous incident, is known to have eccurred. In cases of a continuing release, e.g., groundwater contamination, enter the date, or approximate date, the condition first became apparent. If conditions exist for a potential release, check potential. Check Alleged for hezerdous, or potentially hezerdous, conditions claimed to exist at the site.
  - II-GS Population Potentially Affected: For each hazardous condition at the site, enter the number of people potentially affected. For Soil enter the number of arms potentially affected.
  - 11-04 Narretive Occaription: Provide a narretive description, or explanation, of each condition. Include any additional information which further explains the condition.
  - 11-05 Description of Any Other Known, Potential, or Alleged Hazarda: Provide a nerrative description of any other hazardous, or potentially hazardous, conditions at the site not equated above.
- Total Population Potentially Affected: Enter the total number of people potentially affected by the existence of hezardous, or potentially hezardous, canditions at the site. Do not sum the numbers shown for each condition.
- IV. Comments: Other information relevant to observed, potential, or alleged hexards may be entered here.

Sources of information Litting sources used to obtain information for this form. Sources cited may include sample analysis, records inspections, official records, or other occumentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 4 Permit and Descriptive Information

\*I. Identification: Refer to Part 1-1.

#### 11. Permit Information

- II-01 Type of Permit Issued: Check the appropriate boxies) to indicate the types of permits issued to the site. If state, local, or other types of environmental permits have been issued, specify the type.
- 11-02 Permit Number: Enter the permit number for each issued permit.
- 11-03 Date Issued: Enter the date each permit was issued.
- 11-04 Expiration Date: Enter the date each permit expires or expired.
- 11-05 Comments: Enter any information which further explains the types of permits issued or status of the permits.

#### III. Site Description

- \*III-01 Storage/Disposal: Check the appropriate box(as) to indicate the types of storage/disposal facilities found at the site. If Other is checked, specify the type of facility.
- \*III-02 Amount: Enter the gross amount of waste associated with each type of storage/disposal facility. Amounts may be measured in: metric tons, tons, cubic meters, cubic yards, drums, scres, scre fest, liters, or callons.
- \*III-03 Unit of Measure: Enter the appropriate unit of measure for each entry. Units of measure are MT (metric tons), TN (tons), CM (cubic meters), CY (subic yards), DR (drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons).
- \*III-04 Treatment: If waste is treated at the site, check the approprieted box(ss) to indicate treatment methods used. If Other is checked, specify treatment method.
- 111-05 Other: If there are buildings on site, chask this box.
- \*III-06 Area of Site: Enter total area of site in agree.
- 111-07 Comments: Enter any other pertinent information.
- IV. Containment: Containment is a measure of the netural or artificial means taken to minimize or preclude health hazards and to minimize or prevent contamination of the environment from waste at the site.
  - \*IV-01 Containment of Wester: Check the appropriate box to indicate the condition of containment measures at the site. When choosing the appropriate box, consider the potential for environmental contamination, i.e., the worst case for containment in conjunction with the most hazardous substances.
  - IV-02 Description of Drums, Diking, Liners, Serriers: Provide a narrative description of the condition of containment measures at the site, e.g., waste ade-

- quatery contained, drums firsting and leaking by ing collapsing, liners leaking and contaminating leaching into soil and groundwater.
- V. Accessibility: Accessibility is an indicator of the potential for direct contact with nazardous substances.
  - \*V-01 Waste Easily Accessible: If there are no real barriers preventing human access to hazardous waste, check Yes, otherwise check No.
  - V-02 Comments: Additional information about accessibility to hazardous waste may be provided.
- VI. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

## Part 5 Water, Demographie, and Environmental Data

\*1. Identification: Refer to Part 1-1.

#### 11. Drinking Water Supply

- II-01 Type of Drinking Water Supply: Check the appropriate box(ex) to indicate the types and sources of drinking water within the vicinity of the site. Community refers to municipal sources, Non-community refers to private sources, e.g., private wells.
- II-02 Status: Check the appropriate box(es) to indicate whether the water supply is endangered or affected by contaminants from the sits. Check the appropriate box to indicate if the water supply is being monitored for possible contamination.
- 11-03 Distance to Site: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to nearest drinking water source.

#### III. Groundwoter

- 111-01 Groundwesser Use in Vicinity: Check the appropriate best to indicate groundwater use in the vicinity of the site. The concern is to indicate the seriousness of groundwater contamination from waste at the site. Only Source for Drinking indicates that current water sources are limited to wells in the vicinity of the site. Drinking; Commercial, Industrial, Irrigation indicates that groundwater is used for drinking, but that other limited drinking sources are available and that no other sources for these additional uses are available. Commercial, Industrial, Irrigation indicates that groundwater is used for these purposes, but that limited other sources of weter are available. Not used, Unuseable indicates that groundwater use in the area is not critical.
  - 111-02 Population Served by Groundwater: Enter the number of people served by groundwater in the vicinity of the site. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from serial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

- 33 Distance to Nearest Drinking Water Well-Enter the distance in miles to the hearest tenth, hundredth, or thousandth, as needed to indicate the precision reduired) from the 3-18-10 the hearest drinking water well.
- iii)-04 Depth to Groundwater: Enter the depth in feet to groundwater.
- HI-05 Depth of Groundwater Flow: Enter the cardinal direction of groundwater flow, e.g., NNW.
- III-06 Depth to Aquifer of Concern: Enter the depth in feet to the aquifer of concern.
- III-07 Potential Yield of Aquifer: Enter the potential yield of the aquifer in gallons per day.
- III-08 Sole Source Aquifer: Check the appropriate box to indicate the aquifer of concern is, or is not, a sole source aquifer.
- 111-09 Description of Wells: Provide a narrative description of wells in the vicinity of the site, including useage, depth, and location relative to population and buildings.
- III-10 Recharge Area: Check the appropriate box to indicate the site is located in a recharge area. Comments provide additional information on the recharge area.
- (III-11 Discharge Ares: Check the appropriate box to indicate the site is located in a discharge area. Comments provide additional information on the discharge area.

#### IV. Surface Water

- IV-01 Surface Weter Use: Check the appropriate box to indicate surface water use in the vicinity of the site. The order of precedence is Reservoir, Recreation, Drinking Water Source; Irrigation, Economically Important Reserves; Commercial/Industrial; Not Currently Used.
- IV-02 Affected/Potentially Affected Bodies of Water: Enter the names of bodies of surface water affected, or potentially affected, by conteminants from the site. List the body of surface water nearest the site first. For each body of water cheek Affected if conteminants have been identified in complex of the water. Enter the shortest distance from the body of water to the site in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required).

#### V. Demographic and Presenty Information

- V-01 Total Population Within: Enter the setal population within one (1) mile, two (2) miles, and three (3) miles of the site. Distances are measured from site boundaries. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes translants in the neighborhood or on local highways and reads. When estimating population from asrial photographs or other sources, the convention factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.
- V-02 Distance to Nearest Population: Enter in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) the dis-

- tance from the site boundary to the hearest pipping tion (one person minimum)
- V-04 Distance to Nearest Off-Site Building: Enter the pistance in miles to the nearest tenth, hundredth or thousandth (as needed to indicate the precision required) from the site boundary to the nearest off-site building.
- V-05 Population in Vicinity of Site: Provide a namative description of the nature of the population within the vicinity of the site. Examples include rural area, small truck farms, urban industrial area, densely populated urban residential area.

#### VI. Environmental Information

- VI-01 Permeability of Unsaturated Zone: Check the appropriate box to indicate the permeability of the earth material above the water table in the vicinity of the site.
- VI-02 Permeability of Sedrock: Check the appropriate box to indicate the permeability of the bedrock in the vicinity of the site.
- VI-03 Depth to Bedrock: Enter the depth to bedrock in feet.
- VI-04 Depth of Contaminated Soil Zone: Enter the depth of the contaminated soil zone in feet.
- VI-05 Soil all: Enter the pH of the soil in the vicinity of the site.
- VI-06 Net Precipitation: Enter net precipitation in inches. If net precipitation is not known, subtract the average eveporation figure on the U.S. National Weather Service map showing average annual evaporation in inches from the U.S. Environmental Data Service map showing mean annual precipitation.
- VI-07 One Year 24 Hour Reinfelt: Enter in inches the figure for one year 24 hour reinfelt.
- VI-OS Slage: Enter the percentage of site slope, the direction of site slope, and the percentage of the surrounding terrain everage slope.
- VI-09 Flead Potential: Enter the boundary year for the fleadplain in which the site is leasted. Sites flooded annually are in a 1 (one) year floodplain. Other examples include 10, 20, 50, 100, 500, etc., indicating the probability of flooding within that time period.
- VI-10 Site is on Servier Island, Coastal High Hazard Area, Riverine Floodway: If also is located in one of these areas, check this box.
- VI-11 Distance to Wetlands: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the classet wetlands (five acre minimum) for Estuarine and Other types of wetlands.
- VI-12 Distance to Critical Habitat: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest critical habitat

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of an endangered species. Enter the name(s) of the engangered species

- VI-13 Land Use in Vicinity. Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) to the nearest. Commercial/Industrial area; Residential Area, National/State Parks, Forests, or Wildlife Reserves; or Agricultural Lands, Prime Ag Land and Ag Land, Prime Ag Land is that crop, pesture, range, or forest land which produces the highest yield in relation to inputs. Ag Land is the remaining agricultural land, frequently considered marginal.
- VI-14 Description of Site in Relation to Surrounding Topography: Provide a narrative description of significant or unusual aspects of the surrounding topography in relation to the site. Examples might include: site is in a valley surrounded on all sides by mountains, site is at edge of a river or stream which floods frequently, etc.
- VII. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 8 Sample and Field Information

\*1. Identification: Refer to Part 1-1.

#### II. Samples Taken

- II-01 Number of Samples Taken: Next to each sample type enter the number of samples of that type taken.
- 11-02 Samples Sent To: Enter the name of the laboratory or other facility where the samples were sent for analysis.
- II-03 Estimated Date Results Available: Enter the estimated date the results are expected to be available.

#### III. Field Measurements Taken

- 111-01 Type: Enter the type, e.g., redicestivity, explasivity, organic vapor or gas detection and analysis, respent type gas detection, of each field measurement taken.
- 111-02 Comments: Describe results of field measurements, whether they were taken on or off sits, and if applicable, the type of dispassi facility tested, e.g., drum, surface impoundment, landfill.

#### IV. Photographs and Mans

- IV-01 Type: If photographs of the site have been taken, check the appropriate box(es) to indicate the type.
- IV-02 In Custody Of: Enter the name of the organization or person who has custody of the photographs.
- IV-03 Maps: Check the appropriate box to indicate that maps of the site area have been prepared or obtained.
- IV-04 Location of Maps: If site maps are available, indicate their location, e.g., Region 1 Air and Hazardous Meterials Division.
- Other Field Data Collected: Provide a narrative description of any other field data collected.

VI. Sources of Information is at the sources used to to tain information for this form Sources thed may include: sample analysis, reports, inspections the cial records, or other documentation. Sources the provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 7 Owner Information

- \*1. Identification: Refer to Part 1-1.
- II. Current Owner(s) Parent Company: Current owner(s) and parent companies, for those owners which are companies partly or wholly owned by another company, provide locator information about responsible parties. Each Part 7 provides space for four (4) current owners and their respective parent companies. If additional space is required, complete another Part 7.
  - II-01 Name: Enter the legal name of the owner of the site. The owner may be a firm, government agency, association, individual, etc.
  - II-02 D&S Number: Where available, enter the owner's D&S (Dun and Bredstreet) number. If the current owner is a federal agency, enter the GSA identification code.
  - 11-03 Street Address: Enter the business, mailing, or residential street address of the owner.
  - 11-04 SIC Code: If applicable, enter the owner's primary SIC Code.
  - 11-05 City: Emer the city of the owner's business, mailing, or residential address.
  - 11-08 State: Enter the two character alphe FIPS code for the state of the owner's business, mailing, or residential address.
  - 11-07 Zip Code: Enter the five digit zip code for the owner's business, mailing, or residential address.
  - 11-08 Name: If the owner is a partly or wholly owned subsidiary of another company, enter the legal name of the owner's parent company.
  - ii-09 D&S Number: Enter the perent company's Dun and Bradstreet number.
  - 11-10 Street Address: Enter the business or mailing street address of the perent company.
  - II-11 SIC Code: If applicable, enter the perent company's primary SIC code.
  - II-12 City: Enter the city of the parent company's business or mailing address.
  - 11-13 State: Enter the two cheracter alphe FIPS code for the state of the parent company's business or mailing eddress.
  - 11-14 Zip Code: Enter the five digit zip code for the parent company's business or mailing address.
- 111. Previous Owner(s): List previous owners in reverse chronological order, i.e., most recent first. If additional space is required, complete another Part 7
  - III-01 Name: Enter the legal name of the previous owner.

    The previous owner may have been a firm, government agency, association, individual, etc.

- 32 D&B Number Enter the previous owner's Dunland Bradstreet number if available. If the previous owner was a faceral agency, enter the GSA identification code if available.
- (i) 03 Street Address. Enter the business, mailing, or residential street address of the previous owner.
- (III-04 SIC Code: If applicable, enter the primary SIC Code of the previous owner.
- HI-05 City: Enter the city of the previous owner's business, mailing, or residential address.
- III-06 State: Enter the two character sliphs FIPS code for the state of the previous owner's business, mailing, or residential address.
- 111-07 Zip Code: Enter the zip code of the previous owner's business, mailing, or residential address.
- 1V. Realty Owner(s): Realty owner applies when the owner lessed to another entity property which was used for the storage or disposal of hazardous waste. List current or most recent first.
  - IV-01 Name: Enter the legal name of the resity owner. The resity owner may be a firm, government agency, association, individual, etc.
  - IV-02 D&B Number: Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.
  - IV-03 Street Address: Enter the realty owner's business, mailing, or residential street address.
  - IV-04 SIC Code: If applicable, enter the realty owner's primary SIC Code.
  - IV-05 City: Enter the city of the resity owner's business, mailing, or residential address.
  - IV-06 State: Enter the two cheracter sighs FIPS code for the state of the resity owner's business, mailing, or residential address.
  - IV-07 Zip Code: Enter the sip code of the realty owner's business, mailing, or residential address.
- V. Sources of Information: List the sources used to obtain information for this form, Sources clear may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the trails for information ensured on the form and may be used to obtain further information about the sits.

#### Part 8 Operator Information

- \*1. Identification: Refer to Part 1-1.
- Current Operator-Operator's Perest Company: Information on operators is applicable when the operator is not the owner.
  - 11-01 Name: Enter the legal name of the operator. The operator may be a firm, government agency, association, individual, etc.
  - 11-02 D&B Number: Enter the operator's Dun and Bradstreet number if available. If the operator is a federal agency, enter the GSA identification code if available.

- #103 Street Address: Enter the operator's pusings = -, ng, or residential street address.
- (I-04 SIC Code: If applicable, enter the operator; primary SIC Code.
- 11-05 City: Enter the city of the operator's business, mailing, or residential address.
- 11-06 State: Enter the two character alpha FIPS code for the state of the operator's business, mailing, or residential address.
- 11-07 Zip Code: Enter the zip code of the operator's pusiness, mailing, or residential address.
- 11-08 Years of Operation: Enter the beginning and ending years (or beginning only if operations are on-going); e.g., 1932/1948, of operation at the site.
- 11-09 Name of Owner: Enter the name of the owner for the period cited for this operator.
- 11-10 Name: If applicable, enter the legal name of the operator's parent company.
- II-11 D&B Number: Enter the operator's parent company. Dun and Bradetreet number if available.
- II-12 Street Address: Enter the operator's perent compeny business, mailing, or residential street address.
- 11-13 SIC Code: If applicable, enter the operator's parent company primary SIC Code.
- II-14 City: Enter the city of the operator's perent company business, mailing, or residential address.
- 11-15 State: Enter the two character alphe FIPS code for the state of the operator's parent company business, mailing, or residential address.
- II-16 Zip Code: Enter the zip code of the operator's perent company business, mailing, or residential address.
- III. Previous Operatoris)—Previous Operators' Parent Companies
  - 111-01 Name: Enter the legal name of the previous operator. The previous operator may be a firm, government agency, association, individual, etc.
  - 111-02 D&B Number: Enter the previous operator's Dun and Bradstreet number if available. If the previous operator was 4 federal agency, enter the GSA identification code if evallable.
  - III-GS Street Address: Enter the previous operator's business, mailing or residential street address.
  - 111-04 SIC Code: 1f applicable, enter the previous operator's grimary SIC Code.
  - 111-Q5 City: Enter the city of the previous operator's business, mailing, or residential address.
  - 111-06 State: Enter the two character alpha FIPS code for the state of the previous operator's business, mailing, or residential address.
  - 111-07 Zip Code: Enter the zip code of the previous operator's business, meiling, or residential address.
  - 111-08 Years of Operation: Enter the beginning and ending years of operation for this operator at the site.
  - III-08 Name of Owner: Enter the name of the owner for the period cited for this operator.

- in 10. Name. If applicable enter the legal name of the previous operator's parent company.
- 181-11 D&B Number, Enter the previous operator's parent company Dun and Bradstreet number if available.
- 111-12 Street Address: Enter the previous operator's parent company business, mailing, or residential street address.
- III-13 SIC Code: If applicable, enter the previous operator's parent company primary SIC Code.
- III-14 City: Enter the city of the previous operator's parent company business, mailing, or residential address.
- 111-15 State: Enter the two character alpha FIPS code for the state of the previous operator's parent company business, mailing, or residential address.
- III-16 Zip Code: Enter the zip code of the previous operator's parent company business, mailing, or residential address.
- IV. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### Part 9 Generator/Transporter Information

- \*1. Identification: Refer to Part 1-1.
- On-Site Generator: A company or agency, located within the contiguous area of the site and generating waste disposed on the site, is entered here.
  - III-01 Name: If there is an on-site generator, enter the legal name of the on-site generator. The on-site generator may be a firm or government agency.
  - 11-02 D&S Number: Where available, enter the on-site generator's D&S (Dun and Bradetrest) number. If the on-site generator is 4 federal agency, enter the GSA identification code.
  - II-03 Street Address: Enter the business or mailing street address of the on-site generator.
  - 11-04 SIC Code: If applicable, enter the ex-site generator's primary SIC Code.
  - 11-05 City: Enter the city of the on-cite generator's business or mailing address.
  - 11-08 State: Enter the two character alphe FIPS code for the state of the on-site generator's business or mailing address.
  - 11-07 Zip Code: Enter the five digit zip eads for the onsite generator's business or meiling address.
- III. Off-Site Generator(s): Those companies or agencies off-site who have generated waste which has been disposed at the site are listed here.
  - 111-01 Name: Enter the legal name of the off-site generator. The off-site generator may be a firm or government agency.
  - 111-02 D&B Number: Where available, enter the off-site generator's D&B (Dun and Bradstreet) number. If the off-site generator is a federal agency, enter the GSA identification code.

- 111-03 Street Address: Enter the business or making included address of the off-site generator.
- III-04 SIC Code: If applicable, enter the off site penarator's primary SIC Code.
- III-05 City: Enter the city of the off-site generator's business or mailing address.
- 111-06 State: Enter the two character alpha FIPS code for the state of the off-site generator's business or mailing address.
- 111-07 Zip Code: Enter the five digit zip code for the orfsite generator's business or mailing address.
- IV. Transporter(s): Those carriers who are known to have transported waste to the site are listed nere.
  - IV-01 Name: Enter the legal name of the transporter. The transporter may be a firm, government agency, association, individual, etc.
  - IV-02 D&B Number: Where available, enter the transporter's D&B (Dun and Bradstreet) number. If the transporter is a federal agency, enter the GSA identification code.
  - IV-03 Street Address: Enter the business, mailing, or residential street address of the transporter.
  - IV-04 SIC Code: If applicable, enter the transporter's primery SIC Code.
  - IV-05 City: Enter the city of the transporter's business, mailing, or residential address.
  - IV-06 State: Enter the two character alpha FIPS code for the state of the transporter's business, mailing, or residential address.
  - IV-07 Zip Code: Enter the five digit zip code for the transporter's business, mailing, or residential address.
- V. Sewes of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the sign.

#### Part 10 Past Response Activities

- \*L. Identification: Refer to Part 1-1.
- II. Past Response Activities
  - 11-01 Past Response Activities: Check the appropriate best(es) to Indicate response activities initiated prior to the passage of CERCLA, December, 1980.
  - 11-02 Date: Enter the start date (or approximate date) of the activity.
  - II-03 Agency: Enter the name of the Agency responsible for the activity.
  - 11-04 Description: Provide a brief narrative description of the activity.
- III. Sources of Information: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official resords, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the sits.

Part 11 Enforcement Information

\*1. Identification: Refer to Part 1=1.

II. Enforcement Information

- Past Regulatory Enforcement Action: Check the appropriate box to indicate past regulatory or enforcement action at the federal, state, or local level related to this site.
- II-02 Description of Federal, State, Local Regulatory or Enforcement Action: Provide a narrative description

of regulatory or enforcement action to date Deletiinclude any enforcement action contemp ated of the process of development.

III. Sources of Information: List the sources used to octain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

#### APPENDIX

CAS Number	Chémiast Name	CAS Number	Chemical Name	CAS Number	Chemical Name
7064-41-7	Ammonia Accommon	14. 1317-38-0 18. 7758-88-7	Cupric Oxide Cupric Sulface	27. 7778-80-0 28. 1310-88-3	Potamium Dienromas
2, 7440-36-0 3, 1308-64-4	Antimony Thexids	16. 1317-36-1	Cuprous Oxide	29. 116-07-1	Potestum Hydroxide Progylene
4 7440-38-2 5 1327-53-3	Arsenic Arsenic Trioxide	17, 74-65-1 18, 7647-01-0	Ethylene Hydrashleric Acid	36. 16888-01-6 31. 1310-73-2	Sadium Dichromete Sadium Hydroxide
6. 2110 <del>9-95-6</del>	Berium Sulfide	19, 7884-38-3	Hydrogen Fluoride	32. 7646-78-8	Stannic Chlorida
7, 77 <b>26-95-6</b> 8, 10 <b>6-99-0</b>	Bromine Bu <b>tadiens</b>	20. 1336-25-7 21. 7436-67-6	Lead Oxida Martury	33. 7772- <b>99-8</b> 34. 7 <b>664-83-9</b>	Stannous Chlorida Sulfuric Acid
9 7440-43-9 0 7782-60-6	Cadmium Chlorine	22. 74-62-6 23. 91-20-3	Methans Nasthelene	35. 108-86-3 36. 1330-20-7	Taluene Xylene
1. 12737-27-8	Chromite	24. 7440-02-0 26. 7607-37-2	Nickel Nicke Acid	37. 7646-86-7 38. 7733-02-0	Zine Chloride Zine Suifate
2, 7 <b>440-47-3</b> 3, 7 <b>440-48-4</b>	Chromium Cobalt	28. 7723-14-0	Phosphorus	3.773020	Line Suirete

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
CAS Number	Chemical Nam

II. HAZARDO	OP SOME! MICES
CAS Number	Chemical Name
1. 75-07-0	AcetsideNyds
2. 64-19-7	Acetic Acid
3. 108-24-7	Adetic Antivoride
4, 75-06-6	Acetone Cyenehydrin
5. 506-06-7	Agenyl Bremide
6. 76-36-6	Acetyl Chloride
7. 107-02-8	Acrolein
8. 107-13-1	Acrylenitrile Adipie Acel
9, 124-04-0 10, 308-00-2	Aldrin
11, 10043-01-3	Aluminum Sulfate
12, 107-18-6	Allyi Aleghei
13, 107-05-1	Allyl Chleride
14, 7084-41-7	Ammenie
15. 631-61-6	Ammonium Accuse
16. 1863-63-4	Ammenium Sensoss
17. 1 <b>006-33-7</b>	Ammenium Gicerbensts
18. 7 <b>788-08-5</b>	Ammenium Siehremete
19. 1341-49-7	Ammonium Biffueride
20. 101 <b>92-30-6</b>	Ammonium Siculfita
21. 1111-78-0	Ammonium Corbamato
22. 12125-02-0	Ammonium Chlorida
23. 7 <b>788-68-6</b> 24. 3012- <b>68-8</b>	Ammenium Citremete Ammenium Citress, Diteste
25. 13020-03-0	Ammentum Plueboreto
26. 12128-01-6	Ammentus Fluorido
27. 1338-21-4	Ammentum Hydrenida
28. 6008-70-7	Ammentum Custom
29. 10019-19-0	Ammentes Sites fluorido
30. 7773-08-0	Ammontus Sulfamos
31. 12135-76-1	Ammonium Sulfide
32. 101 <b>98-04-0</b>	Ammenium Sulfits
33. 14307-43-8	Ammonium Tertroto
34. 1702-05-4	Ammonium Thiosystate
35. 7783-18-6 36. 628-63-7	Ammenium Thiosulfets
37. 6343-3	Arryl Access
28. 7647-18-0	Antino
30. 7788-61-6	Amimony Pensahlerida
40. 10038-01-0	Antimony Tribromids Antimony Tribhiorids
41. 7783-88-4	Antimony Triffueride
42. 1308-84-4	Antimony Trioxide
43. 1303-32-8	Arenic Disulfide
44. 1303-28-2	Areenie Pensenide
46. 7784-34-1	Artenia Triebleride
46. 1327-63-3	Artenis Triestide

47, 1303-33-0 46, 842-42-1 46, 71-43-2 50, 68-48-0 51, 100-47-0 52, 96-68-4 53, 100-44-7 54, 7440-41-7 59, 7787-48-7 57, 12887-48-4 50, 86-74-2 60, 108-73-0 61, 107-63-0 62, 843-68-0 63, 7788-42-0 64, 10108-64-2 66, 7778-44-1 66, 62749-10-6 67, 78-38-7 68, 13765-10-0
AL MARKET
70. 20204-05-2 71. 7778-84-3
72. 133-05-2 73. 63-35-2
74, 1 <b>963-66-2</b> 76, 76-16-6
76. 66-23-6 77. 67-74-0
78. 7783-66-6 78. 168-66-7
88. 67-65-3 81. 7700-04-6
22, 2021-00-2
83. 1085-30-4 84. 7735-64-5
86. 10048-05-6
87. 644-18-3 86. 14017-41-5
80. 86-73-4 80. 1319-77-3

Chemical Name
Artenia Trieutfida Iarium Cyanida
lenzene lenzeis Asid lenzenitrile
lensayi Chlorida lensyi Chlorida
leryllum leryllum Chieride leryllum Flueride
leryllium Niteras lertyl Across
-Butyl Phthelete lutylemine lutyris Asid
admism Aurtite admism Brassida
admium Chlorido Idelum Arcendo Idelum Arcento
Mahum Carbida Mahum Chramasa
Saletum Cyanida Saletum Godenyflansens Salfensta
alelum Hypechlerite - laptan
lerberyl Ierbeluren Ierben Diaulfide
arten Torreshleride Merdene
Merine Meretomanne Meretom
interesulfents Acid Interpyrifes
Aremie Aestete Svemie Aeid Stremie Sullete
inrame Bulleta Chramous Chierida Cabaltous Formeta
Cabaltous Bullemote Cournaghes
reset

GAS Number	Chemical Name
92.142-71-2	Cupris Acetate
93. 12002-03-0	Cupric Acetoertenite
94. 7447-38-4	Cupris Chlorida
95. 3251-23-6	Cupric Nitroto
96. 9963-66-3 97. 77 <b>98-66-</b> 7	Cupric Oxelete Cupric Sulfete
98. 10380-28-7	Cupric Sulfate Ammoniated
99. 815-62-7	Cuerie Tertrate
109. 505-77-4	Cyanogen Chloride
101.110-62-7	Cyclohexene
102. 94-76-7	2,4-0 Acid
103, 94-11-1 104, 90-28-3	2,4-0 Esters DDT
105. 333-41-6	Discinen
105. 1918-00-0	Disembe
107. 1194-65-6	Dichtebenil
108. 117-69-6	Dishlene
100. 20221-224	Dishlerebensene (all isomers)
110. 265-35-19-7	Dishlaragragane (all isomers)
111.20003-23-6 112.0008-10-0	Dishlereprepane (all isomers) Olehlereprepana-
114.400	Dichlerograpane Mixture
113.75-00-0	2-2-Olahleregrepionic Acid
114.63-73-7	Dishlerves
116. 60-67-1	Distrin
116, 169-69-7	Distrytemine
117, 1 <b>34-48-8</b> 11 <b>8, 35154-64-5</b>	Olmethylemine Dinieratemente (all isomers)
119. 51-28-6	Dinigraphonal
120, 25321-14-6	Ointresquene (all isomers)
121.05-05-7	Claust
122, 285-04-4	Clauffeten
123, 339-64-1	Distrem
124.27178474 125.116-38-7	Dedecyttensensulfonic Acid Endecution (all isomers)
126, 73-20-6	Endrin and Matabalites
127, 106-69-6	Esishiershydrin
128, 863-12-2	Eshian
120, 100-41-4	Ethyl Bonsone
130, 107-18-3	Eshylenedismine
131, 108-63-4	Eshylene Dibromide
132, 107-06-2	Ethylens Dighloride EDTA
135, <b>89-69-4</b> 134, 11 <b>88-67-6</b>	Ferris Ammonium Citrate
135, 2044-67-4	Ferris Ammonium Oxalete
136.7705-05-0	Ferrie Chloride

Reference #1 OVERSIZED DOCUMENT MAP ANAMAG

Reference No. 2

(Jefferen)

March 29, 1985



RECEIVED

APR 0 1 1985 )

Environmental Response Center

Mr. William C. Burger, Coordinator Frivironmental Response Team
18 Reilly Road
Frankfort, Kentucky 40601

Dear Mr. Burger:

In accordance with 401 KAR 34:040, Section 7 (10), Contingency Plan and Emergency Procedures, the following is a report on an incident which required the implementation of a contingency plan.

AnaMag L.P., a limited partnership, maintains its executive office at:

Glen Hill Office Park 8 739 Roosevelt Road Glen Ellyn, Illinois .60137 (312)858-4000

AnaMag owns and operates a magnet wire manufacturing facility at:

Highway 146 - P.O. box 29 LaGrange, Kentucky 40031 (502)222-9415

On Sunday, March 17, 1985, at approximately 10:30 a.m. the above facility experienced the unexpected, sudden release of approximately 250 gallons of a solvent material known as cresylic acid. For information purposes a Material Safety Data Sheet and manufacturers specification sheet for the released material are enclosed.

The following notifications were made:

- 1. Kentucky Environmental Response Center Person contacted: Mr. Tom Little
- National Response Center Person contacted: Petty Officer Brown

The source of the release was a newly installed filtration system on a parts washing tank.

Mr. William C. Burger March 29, 1985 Page Two

The released material entered an 18 inch storm sewer which leads to an earthen ditch and ultimately to a "cooling pond", all located on the AnaMag property. The released material was deposited and contained within the above referenced ditch and pond areas.

Because cresylic acid is heavier than water, a contractor was employed to pump the released material and contaminated soils from the bottom of the ditch and pond and deposit these materials in 55 gallon drums on site. It is believed the entire quantity of released material has been recovered. As the result of this recovery effort (45) 55 gallon drums of material were generated and will ultimately be disposed of by either Chemical Waste Management in Emelle, Alabama or LWD, Inc. in Calvert City, Kentucky.

AnaMag's LaGrange manufacturing facility is registered in the state of Kentucky as a hazardous waste generator with U.S. EPA, ID number KYDO4-294-3423. The generated wastes will be transported for disposal in accordance with requirements of the 90 day accumulation regulation 401 KAR 32:030, Section

There were no injuries sustained as a result of this incident and it is believed there existed no hazard to human health in the past or remaining hazard in the future. Similarly, whatever hazard may have existed to the environment has now passed as of Monday, March 25, 1985, as determined by water analysis.

Should there be further questions concerning this incident, contact Henry W. Jones at (502)425-1057.

Best regards,

ANAMAG

Henry W. Jones, Sr. Engineer

Energy and Environment

HWJ:tlt

cc: Mr. Kyland Smither Division of Water CHARLOTTE E. BALDWIN



MARTHA LAYNE COLLINS
GOVERNOR

COMMONWEALTH OF KENTUCKY

### NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

Division of Waste Management 730 Swan Street P.O. Box 4513 Louisville, Kentucky 40204

January 28, 1986

Mr. Robert P. Carne Engineering Manager P.O. Box 29 LaGrange, Kentucky 40031

LETTER OF WARNING

M

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OIVISION OF AN OR

Re: Anamag

KYD04-294-3423 Oldham County

Dear Mr. Carne:

An inspection of your plant was performed on January 22, 1986, by Ms. Marsha Swain of my staff. During this inspection, Ms. Swain observed the following violations of Kentucky Waste Management laws and regulations:

- 1) The handling code was left off of Manifest #00007. This was in violation of 401 KAR 32:020 Section 1. Recurrence of this violation could result in a formal action to assess penalties.
- Inspection records showed that on three separate occasions at least one drum was stored over 90 days. The dates involved were October 10, 1985 to January 16, 1986; July 24, 1985 to November 1, 1985; June 25, 1985 to October 11, 1985. This was in violation of 401 KAR 32:030 Section 5. Recurrence of this violation could result in a formal action to assess penalties. A generator who accumulates hazardous waste for more than 90 days is an operator of a storage facility and is subject to the requirements of 401 KAR Chapters 34, 35 and 38, unless he has been granted an extension to the 90-day period. Such extensions may be granted by the Cabinet on a case-by-case basis if hazardous waste must remain on site for longer than 90 days due to unforeseen, temporary, and uncontrolled circumstances.
- 3) Inspection revealed that one drum in a satellite area did not have the accumulation date. Two drums in other satellite areas did not have the accumulation date nor the words "hazardous waste". This was in violation of 401 KAR 32:030 Section 5. Recurrence of these violations could result in a formal action to assess penalties.

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Anamag KYD04-294-3423 Letter of Warning Page Two

4) Housekeeping needs to be improved. There were spills of hazardous waste around the varnish pans. This was in violation of 401 KAR 38:010 Section 4. All spills are to be cleaned up by February 24, 1986.

Regarding your spill of March 17, 1985, of cresylic acid which ultimately was released to a "cooling pond", it is suggested that a containment basin be built around the cresylic acid holding tank to avoid future hazardous waste regulation of the cooling pond in the event that this occurs in the future.

This Cabinet, under the authority of KRS 224.994, may assess penalties for these violations of up to \$25,000 per violation, with each day a violation continues a separate offense. To avoid any further enforcement action, which could result in the assessment of penalties, you must correct these violations by February 24, 1986.

If you have any questions concerning the violations or the steps necessary to correct the violations, please call me or Ms. Swain at (502) 588-4254.

Sincerely,

nn Brooks, Envir. Supervisor

Louisville Office

JGB:MS:dm

cc: Enforcement '
Field Operations
Louisville File

CHARLOTTE E. BALDWIN SECRETARY



MARTHA LAYNE COLLINS GOVERNOR

COMMONWEALTH OF KENTUCKY

#### NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FORT BOONE PLAZA 18 REILLY ROAD FRANKFORT, KENTUCKY 40601

#### MEMORANDUM

TO:

Caroline P. Haight, Manager

Permit Reweiw Branch

THRU:

Barry Burrus, Chief Burry Burrus, Chief Uncontrolled Site Section

FROM:

Robert L. Prewitt, Environmental Program Coordinator

Uncontrolled Site Section

DATE:

August 9, 1985

SUBJECT: Uncontrolled Site Closeout for Anaconda, Ind. Magnet Wire and Cable

The Anaconda, Ind. magnet wire and cable facility is located North of LaGrange, Kentucky in Oldham County. The facility manufactures various types of magnet wire and cables. From the process, a waste caustic wash solution is generated. Inclusion of the facility on the Region IV CERCLIS is due to the notification in 1980 of hazardous waste activity as a treatment, storage and disposal facility. In 1981, the Part A was officially withdrawn as a TSD facility, but the generator status was retained. In 1983, the facility's name changed to Anamag Limited.

The Dawkins Road Site in Oldham County presently has several drums with the Anaconda Industries name on them. There is no evidence of any other off-site disposal in the Division files. Conversations with the Louisville field office inspector indicates that the facility is in compliance and has had no on-site disposal. This facility is regulated by RCRA.

After reviewing information within the Division and completion of a preliminary assessment by Jim Jarman, I recommend this site receive no further action and be removed from the uncontrolled site list.

JJ/tli

Marsha Swain c:

EPA /

File

**ŞEPA** 

# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT

	TEICATION
OI STATE	02 SITE NUMBER D04294342
	<b>レジサムサイ34</b> と

PART 1 - SITE INFORMA	A MOIT	ND ASSESSMEN	1 PAT	DUTATT3423		
II. SITE NAME AND LOCATION						
O1 SITE NAME (Lager, common, or descriptive name of lafe)	1 . 4		ECIFIC LOCATION IDENTIFIER			
ANACONDA IND. MAGNET WIRE ÉCOBLE	:	righway 146	150x zq			
LA GRANGE	CA STATE	40031	OIDHAM	07 COUNTY 08 CONG COOE DIST 185 04		
09 COORDNATES LATITUDE LONGITUDE				1.3		
10 DIRECTIONS TO SITE (Starting from nearest pulmic read)						
Take Highway 146 North From L.	A Gro	سمد بلاي	about 1 /2 mil	es. Cross		
I SET of RailrOAD TRACKS AND TURN LEFT.	The S	HE IS ON TH	A 6'841' ( ASE WL	r.)		
III. RESPONSIBLE PARTIES	TO2 STRE	ET (Business, malling, reaso				
ANACONDA INDUSTRIES		14 mendou	STREET			
O3 CITY		05 2P CODE	OG TELEPHONE NUMBER			
Waterbury		06/02	(3/2) 858-4000	1		
William Peterson	1000	100 y /46				
OO CITY		4	12 TELEPHONE NUMBER			
LA GRANGE	KY.	40031	15021722945	<u> </u>		
13 TYPE OF OWNERSHIP (Check only)  A. PRIVATE   B. FEDERAL:		C C STATE	DD.COUNTY DE.MU	NICIPAL		
F. OTHER:		_ [] G. UNIONON				
(Epocaly)		_ 04.0400		<del></del> -		
14 OWNERVOPERATOR NOTIFICATION ON FILE (Choose of Read about)  C. A. RCRA 3001 DATE RECEIVED:  MONTH DAY YEAR  D. B. UNCONTROLLED WASTE SITE (CERCLA 183 o) DATE RECEIVED:  MONTH DAY YEAR						
IV. CHARACTERIZATION OF POTENTIAL HAZARD			MONTH D	AY YEAR		
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waste varnish & solvents.						
OS DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION						
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Jim January Kurepc	Dia	waste Mal.	15021564-6716	MONTH DAY YEAR		

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#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

LIDENTIFICATION ·
OI STATE OF SITE NUMBER
KV DO42943423

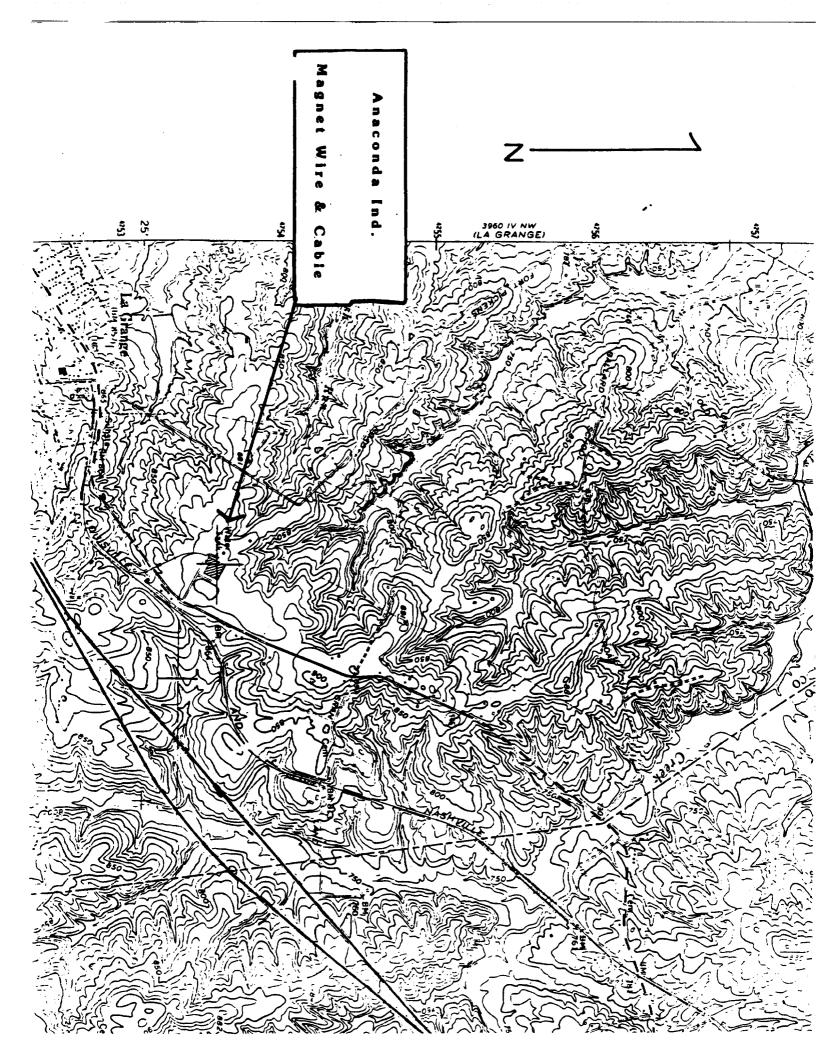
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## POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

L IDENTIFICATION 01 STATE 02 SITE NAMES KU D042443423

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receive no Further Action. However	, the DAWKins Road site (eiDian co.	) Contains Dru	ims with Anaa
SOURCES OF INFORMATION (CAN ADMICAL PAPER PROPERTY. B. B.	state fles, sample analysis, reports!		
KNREPL FILES.			
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#### COMMONWEALTH OF KENTUCKY

# Jocumentation Parkage FORANACONDA IND: cable Mognet wine: NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET

DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FORT BOONE PLAZA 18 REILLY ROAD FRANKFORT, KENTUCKY 40601

MEMORANDUM

TO:

Barry Burrus, Chief

Uncontrolled Site Section

FROM:

**Bob Prewitt** 

**Uncontrolled Site Section** 

DATE:

February 14, 1984

SUBJECT: Kentucky Uncontrolled Site Preliminary Assessment Report

Site Name: Dawkins Road Site.

Location: Dawkins Road, LaGrange, Ky.

Site Coordinator: Bob Prewitt Field Contact: Marsha Swain

#### Background

The Dawkins Road Site is located in a junkyard, on Dawkins Road about 3/4 mile off of Hwy 146 west of LaGrange, Ky.

The junkyard is owned and operated by Jim Sanders. Between 1974-76 Mr. Sanders accepted approximately 100 drums of waste from Anaconda in LaGrange. Mr. Sanders emptied the contents of a few of these drums on the ground so he could clean and reuse them. The odor from the waste was so noxious he placed the remaining drums into an empty pond on his property and covered them with dirt. An inspection on November 30, 1982 by the field office noted a phenolic odor still present around the site. Samples were taken from different areas at this site by the Louisville Field office and analysis of these samples revealed high concentrations of phenol, napthalene and cresylic acid.

#### **EPA Documents**

Transmittal letter Preliminary Assessment Form 2070-12

#### Additional Information

A Geological Assessment of this site was done November 18, 1983 by Jim Jarman. It will be included with the PA for EPA's perusal.

#### Recommended Action

Considering the facts that we are dealing with listed hazardous wastes and an area that lends itself to groundwater contamination, the site was given a medium priority by EPA's ranking system. This very simply means a site inspection is required. It is also my recommendation that due to the scope of investigation needed this should be handled by the EPA FIT.

BP/kwb

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Bob Grewitt	Divwm	Uncontrolled Sites	15001 569-6716	MCNTH CAY YEAR

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#### PC : ENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

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## **POTENTIAL HAZARDOUS WASTE SITE**

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## POTENTIAL HAZARDOUS WASTE SITE

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REF: 4AW-RM

This ite was sent 12-16.81 to the attached list of ki facilities.

#### Gentlemen:

This letter is to acknowledge receipt of your request for withdrawal of your application for a permit under the Resource Conservation and kecovery Act (RCRA), as amended. Your letter indicated that you no longer treat, store, or dispose of hazardous waste.

It has been our general experience that the RCRA regulations and the amendments which have been published since May 19, 1980, have caused confusion, and have been subjected to misinterpretation. This confusion on the part of the regulated community has been compounded, due to EPA's and the State's overlapping responsibilities for implementation of the hazardous waste regulatory program during the period of interim authorization.

Withdrawal of your permit application constitutes revokation of interim status, as defined by Section 3005(e) of the Act. Consequently, under the Federal program, you would no longer be allowed to treat, store, or dispose of hazardous waste. However, as you are probably aware, the State has been authorized to implement certain requirements of the program in lieu of the Federal regulatory requirements. Therefore, withdrawal of your applications also directly affect the State program.

In light of the foregoing, EPA plans to proceed as follows. EPA will place your file in our "suspense" file. This action, in essence, revokes you interim status under the Federal program. However, we will forward the request to the State for formal action. The State will contact you if further information relating to your request is required. If the State agrees that your waste is not hazardous, and that you do not need a RCRA permit, the State will notify you of this determination, and by carbon copy of this notification sent to EPA, your application will be formally withdrawn, and your file will be inactivated.

In conclusion, this letter should <u>not</u> be construed as EPA's concurrence with your determination that RCRA regulatory requirements are not applicable to your facility. Furthermore, this letter does not relieve you of your responsibility to comply with State and Local hazardous waste regulatory requirements.

Anaconda

Finally, your request to withdraw interim status means that you may not treat, store, or dispose of hazardous waste without a permit issued under the authority of \$3005 of the Act and 40 CFR 264.

If for any reason you wish to reconsider this withdrawal request, please advise this office and the State within the next ten days. You should be receiving a formal response to your request from the State in the near future. If you require further clarification, please contact John Herrmann of my staff (404) 881-3433 or a representative of the State hazardous waste program.

Sincerely yours,

James H. Scarbrough, Chief Residuals Management Branch

4AW-RM: JHERRMANN: sm: 3435:12/4/81: 0017S

4AW-RM 4AW-RM 4AW-RM Herrmann Dickinsor. Scarbrough

RECUES

ANACONDA Industries ANACONDA Magnet Wire Engineering Center 8th Street & Clay Avenue Muskegon, Michigan 49440

Telephone 616 726 4924

000305

February 6, 1981

WATER ENFORCEMENT BRANCH Carrett. GA.

FFGLIMED EFA/REGION IY

4 27 9: 10. FEB 24 Entitle MELSIVIC

Permits Section U. S. Environmental Protection Agency 345 Courtland Street N. E. Atlanta, Ga 30365

Re: KYDO42943423

Dear Sir:

Athough we applied for a permit to store hazardous waste at our LaGrange, Kentucky facility, we now elect not to store, so will not retain our waste over 90 days. Please cancel our application for a permit to store hazardous waste.

Che de Trans

Sincerely,

ANACONDA INDUSTRIES Magnet Wire

Charles Henricks, Manager

Energy and Environment

CH/vm

IX. DESCRIPTION OF HAZARDOUS WASTES

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I. POLLUTANT CHARACTERISTICS				* *			-			
INSTRUCTIONS: Complete A through J questions, you must submit this form and if the supplemental form is ettached. If yo is excluded from permit requirements; see S	the supplement a answer "no" lection C of the	tal form l to each o instruction	isted in the question, y	parenthesis following ou need not submit any	the question of these for	n. Mark "X orma. You i	" in the box ney answer	in the ti "no" if y	ird co our ex	olumn ctivity
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C. STATUS OF OPERATOR (Enter the appropriate letter into  F = FEDERAL M = PUBLIC (other than federal or state)  S = STATE O = OTHER (specify)  P = PRIVATE	p (specify)	r, spedjy.)	2.0.3 5.7.4	B. 5. 0. 0
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trach to this application a topographic map of the area ex	tending to at least one n	nile beyond property I	boundaries. The map m	ust show
e outline of the facility, the location of each of its exist extment; storage, or disposal facilities; and each well who	ing and proposed intakt its it injects fluids unde	reround. Include all s	ires, each of its hazardo torinos: rivers and other	r surface
ster bodies in the map ares. See instructions for precise rec	pirements:		<b>公司大学工艺会员</b>	
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sertify under penalty of law that I have personally exami	ned and am familier wit	h the information sub-	mitted in this application	on and all
techments and that, based on my inquiry of those pen plication, I believe that the information is true, accurate	ions immediately respon and complete, i em av	nsible for obteining ti	he information contains	ed in the
Ise information, including the possibility of fine and impri	SONMENT,		C. DATE SIGN	160
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PA HAZARD	JS WASTE PERMIT APPLICATION  Consolidated Permits Program	I. EPA I.D. NUMBER
	ation is required under Section 3005 of RCRA.)	FK Y D D 4 2 9 4 3 4 2 3 3
ATION DATE RECEIVED	COMMENT	からない。大学の表示のでは、一般を表示していません。
II. FIRST OR REVISED APPLICATION	and the second second	· · · · · · · · · · · · · · · · · · ·
evised application. If this is your first application and EPA f.D. Number in Item ( above.	d you alreedy know your facility's EPA I.D. Number	irst application you are submitting for your facility or any, or if this is a revised application, enter your facility's
A. FIRST APPLICATION (place an "X" below an  X 1. EXISTING FACILITY (See instructions for  Complete item bel	r definition of "existing" facility.	2.NEW FACILITY (Complete item below.)
VR. MA. BAY FOR EXISTING PACE	LITIES, PROVIDE THE DATE (yr., mo., & day) OR THE DATE CONSTRUCTION COMMENCED	POR NEW FACILITIES PROVIDE THE DATE (yr., mo., & day) OPER;
8 0 1 0 2 0 1 (use the boxes to the le	160	TION BEGAN OR IS EXPECTED TO BEGIN
B. REVISED APPLICATION (place on "X" below  1. FACILITY HAS INTERIM STATUS	v and complete item [ above)	2. FACILITY HAS A RCRA PERMIT
III. PROCESSES - CODES AND DESIGN CAR	PACITIES	
describe the process (including its design capacity)	code(s) in the space provided. If a process will be used the space provided on the form (Item III-C).	is to be used at the facility. Ten lines are provided for sed that is not included in the list of codes below, then
1. PROCESS DESIGN CAPACITY - For each code of		
AMOUNT — Enter the amount.     UNIT OF MEASURE — For sech amount enter	ed in column 8(1), enter the code from the list of u	nit measure codes below that describes the unit of
	PRIATE UNITS OF	PRO- APPROPRIATE UNITS OF
	RE FOR PROCESS IGN CAPACITY PROCESS	CESS MEASURE FOR PROCESS CODE DESIGN CAPACITY
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XAMPLE FOR COMPLETING ITEM III (shown in it	LITERS PER HOUR	
ther can hold 400 gallons. The facility elso has an inc	inerator that can burn up to 20 gallons per hour.	
DUP 1		
B. PROCESS DESIGN CAPA	FOR MA.PRO	PROCESS DESIGN CAPACITY
CODE 1. AMOUNT (specify)	OF MEA OFFICIAL OCODE SURE (enter code) ONLY CODE (from list show)	1. AMOUNT  1. AMOUNT  2. UNIT OF MEA USE (enter code)  ONLY
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II. PROCESSES (continued)		
. SPACE FOR ADDITIONAL PROCESS CODES C INCLUDE DESIGN CAPACITY.	OR DESCRIBING OTHER PROCESSES (code ") . FOR EACH !	PROCEL

7. DESCRIPTION OF HAZARDOUS WASTES

EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpert D for each listed hazardous waste you will handle. If you

EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpert D for each listed hazardous waste you will handle. If you

EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpert D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that weste that will be handled on an annual basis. For each characteristic or taxle contaminant entered in column A estimate the total annual quantity of all the non-listed waste/s/ that will be handled which possess that characteristic or contaminant. our seed to be the constant

UNIT OF MEASURE - For each quentity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are: 

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE CODE
POUNDS	KILOGRAMS
TONS	METRIC TONS

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into eccount the appropriate density or specific gravity of the waste.

PROCESSES

1. PROCESS CODES:

For listed hezardous weste: For each listed hezardous weste entered in column A select the code/s/from the list of process codes contained in Item III to indicate how the weste will be stored, treated, and/or disposed of at the facility.

For non-listed hezardous wastes: For each characteristic or toxic conteminent entered in column A, select the code/of from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess: that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the

extreme right box of Item (V-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form, 🕟

TE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hezardous westes that can be described by re then one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Wasse Numbers and enter it in column A. On the same line complete columns 8,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste. In column D(2) on that line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter
- "included with above" and make no other entries on that line.
- 3. Repet step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

AMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wester. Two wastes corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated pounds per year of that waste. Treatment will be in an incinerator and disposel will be in a landfill.

		١.,١	EP/	4		C. U	NIT	L									D. PROCESSES				
ijΙ	NA	51		D.O.		SUI (en cod	r E ter				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))		
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EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle, if you handle hazardous wester which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics end/or the toxic contaminants of those hazardous westes.

ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A setimete the quantity of that weste that will be handled on an annual basis. For each characteristic or toxic conteminant entered in column A estimate the total annual quantity of all the non-listed weste/s/ that will be handled which possess that characteristic or contaminant. Complete Francisco de la completa del la completa de la completa del la completa de la completa del la completa de la completa de la completa del la completa de la completa del l 

UNIT OF MEASURE - For each quantity entered in column 8 enter the unit of measure code. Units of measure which must be used and the appropriate codes are: 

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE CODE
POUNDS	KILOGRAMS
TONS	METRIC TONS

f facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into count the appropriate density or specific gravity of the waste.

ROCESSES
PROCESS CODES:

ised hexardous wester. For each listed hexardous weste entered in column A select the code/of from the list of process codes contained in Item III. to indicate how the weste will be stored, treated, and/or disposed of at the facility. to indicate how the weste will be stored, treated, and/or disposed of at the facility.

For non-listed hexardous westes: For each characteristic or toxic contaminant entered in column A, select the code/s/ from the list of process codes.

contained in Item 111 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hexardous westes that possess:

that characteristic or toxic contaminent.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER -- Hezerdous wester that can be described by then one EPA Hezardous Weste Number shell be described on the form as follows:

Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual

quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.

Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

IPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds ar of chrome shavings from leather tanning and finishing operation, in addition, the facility will treat and dispose of three non-listed westes. Two wastes roosive only and there will be an estimated 200 pounds per year of each waste. The other weste is corrosive and ignitable and there will be an estimated junds per year of that wests. Treatment will be in an incinerator and disposal will be in a landfill.

4	A. EPA HAZARD. B. ESTIMATED ANNUAL			E. UNIT											D. PROCESSES		
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KYD042943423 <del>7/16</del>							
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Il existing facilities must include photographs (a eatment and disposal areas; and sites of future s						ig storage,	
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B. If the facility owner is not the facility operator a	is listed in Section VIII	on Form 1, complete the f	ollowing item	<b>8:</b>			
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8. SIGNATURE

C. DATE SIGNED

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HAZARDOUS WASTE INFORMATION SUMMARY (CONTINUED)

EPA ID NUMBER: ANACONDA INDUSTRIES, MAGNET WIRE INSTALLATION NAME:

METHOD HANDLING TRANSFER CODE ALD000622464 KYD04-294-3423 KYXT CODE DISPOSITION MEASURE ပ AMOUNT OF WASTE 440 PHYSICAL STATE LEM DOT HAZARD 3 EPA WASTE NUMBER UN1760 WASTE WASTE MANAGE SINT 5 WASTE CAUSTIC WASH SOLUTION DESCRIPTION LINE -

70



## LEVEL

NOTEBOOK NO. 311

F4-1103

Anacondo Ind. Inc. Magnet wire and

La Grange, Oldham Cty

Kentucky

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CONTROL NO.	DATE: 11/10/88	TIME: 1046
DISTRIBUTION: To File		
BETWEEN: Benjy Kinman	OF: Kentucky Dept. of Fish & Wildlife	PHONE: (502) 564-3596
AND: Jeff Myers, NUS Corporation	on	
DISCUSSION:		

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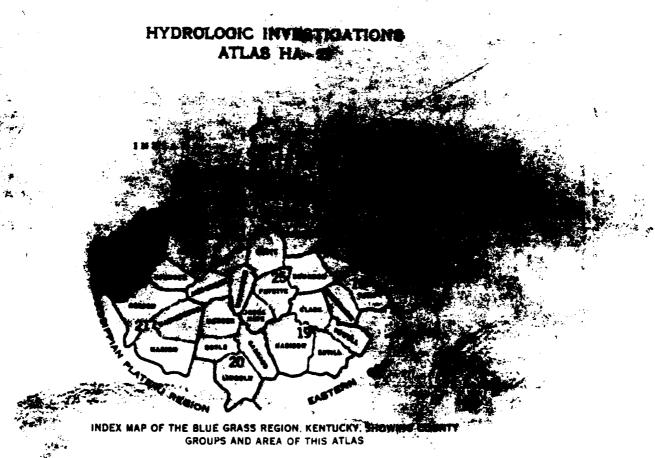
#### DEPARTMENT OF THE INTERIOR UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF KENTUCKY
DEPARTMENT OF ECONOMIC DEVELOPMENT
AND THE KENTUCKY GEOLOGICAL SURVEY
UNIVERSITY OF KENTUCKY

#### AVAILABILITY OF GROUND WATER IN BULLITT, JEFFERSON AND OLDHAM COUNTIES, KENTUCKY

B,

W. N. Palmquist, Jr., and F. R. Hall



This is 1 of 11 atlases (HA-15 to HA-25) showing the geology and availability of ground water in the Blue Grass region, Kentucky. U. S. Geological Survey Water-Supply Paper 1533 epateins a text description and illustrations providing further information on the occurrence and quality of the ground water in the Blue Grass region.

. - 3 4 -

#### SOIL SURVEY OF OLDHAM COUNTY, KENTUCKY

By Orville J. Whitaker, Soil Conservation Service

Soils surveyed by James F. Fehr, Herman P. McDonald, and Orville J. Whitaker, Soil Conservation Service

United States Department of Agriculture, Soil Conservation Service, in cooperation with the Kentucky Agricultural Experiment Station

Oldham County is in the north-central part of Kentucky (See opposite page) and has a population of 16,200. LaGrange, the county seat, has a population of 2,200. The county has a total area of 117,500 acres, or approximately 183.6 square miles.

The county is in the Bluegrass Land Resource Area (4). The Ohio River has cut a deep gorge along the northwestern boundary and serves as a county line with Clark County, Indiana. The northeastern portion of the county is dissected by Eighteen Mile Creek and Pattons Creek and their tributaries. Floyds Fork and Harrods Creek and their tributaries dissect the central and southern portions of the county from east to west. Elevation of the land ranges from about 430 feet along the Ohio River to about 900 feet, north of U. S. Highway 42, about 3 miles west of the Trimble County line.

#### **General Nature of the County**

This section gives general information concerning the county. Climate, settlement, natural resources, geology, and farming are discussed in it.

#### Climate

In Oldham County, summers are hot in valleys and slightly cooler in the hills; winters are moderately cold. Rains are fairly heavy throughout the year, with a slight peak in spring. Snow falls nearly every winter, but the snow cover usually lasts only a few days.

Table 1 presents data on temperature and precipitation for the county recorded at Louisville for the period 1951 to 1974. In table 2 are probable dates of the first freeze in fall and the last freeze in spring. Table 3 provides data on length of the growing season.

In winter the average temperature is 36 degrees F, and the average daily minimum is 27 degrees. The lowest temperature on record, -20 degrees, occurred at Louisville on January 24, 1963. In summer the average temperature is 76 degrees, and the average daily maximum is 86 degrees. The highest temperature, 105 degrees, was recorded on July 14, 1954.

"Growing degree days" shown in table 1 are equivalent to heat units. Beginning in spring, growing degree days accumulate by the amount that the average temperature each day exceeds a base temperature (50 degrees F). The normal monthly accumulation is used to schedule single or successive plantings of a crop between the last freeze in spring and the first freeze in fall.

Of the total annual precipitation, 22 inches, or 51 percent, usually falls during the period April through September, which includes the growing season for most crops. Two years in ten, the April-September rainfall is less than 18 inches. The heaviest 1-day rainfall during the period of record was 6.97 inches at Louisville on March 9, 1964. Thunderstorms number about 45 each year, 22 of which occur in summer.

Average seasonal snowfall is 18 inches. The greatest snow depth at any one time during the period of record was 11 inches. On the average, 7 days have at least 1 inch of snow on the ground, but the number of days varies greatly from year to year.

The average relative humidity in midafternoon is about 55 percent. Humidity is higher at night in all seasons, and the average at dawn is about 80 percent. The percentage of possible sunshine is 65 percent in summer and 45 percent in winter. The prevailing direction of the wind is from the south. Average windspeed is highest in spring—10 miles per hour.

#### Settlement

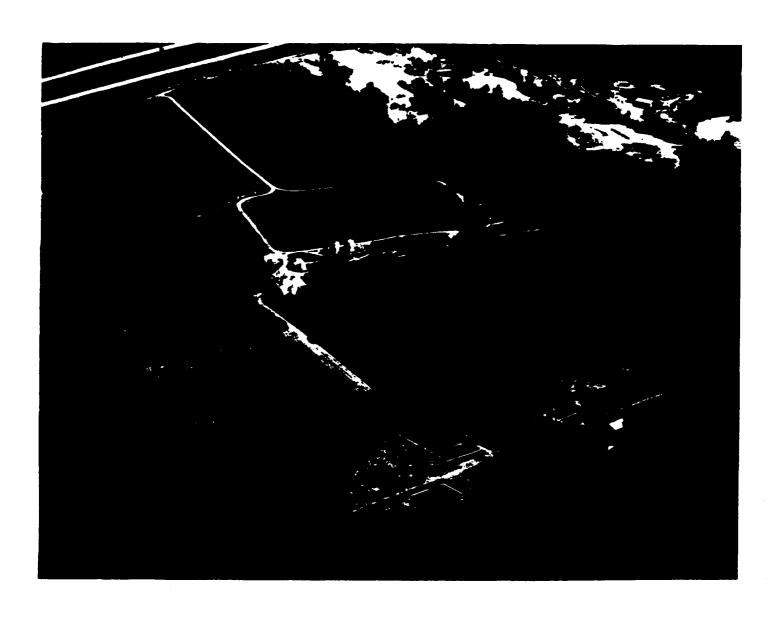
Oldham County was formed in 1832 from territory taken from Jefferson, Shelby, and Henry Counties. It was named for Colonel William Oldham, a native Virginian who was an officer in the Revolutionary War.

LaGrange, the county seat, was named for the French estate of General Lafayette. It was formerly called Lick Branch, but was renamed LaGrange and incorporated in 1840.

The first county seat of Oldham County was at Westport, which is on the Ohio River. In the steamboat era, the town became a thriving Ohio River port for shipping farm produce and receiving merchandise from the West.

#### REFERENCE 10

# SOIL SURVEY OF Oldham County, Kentucky

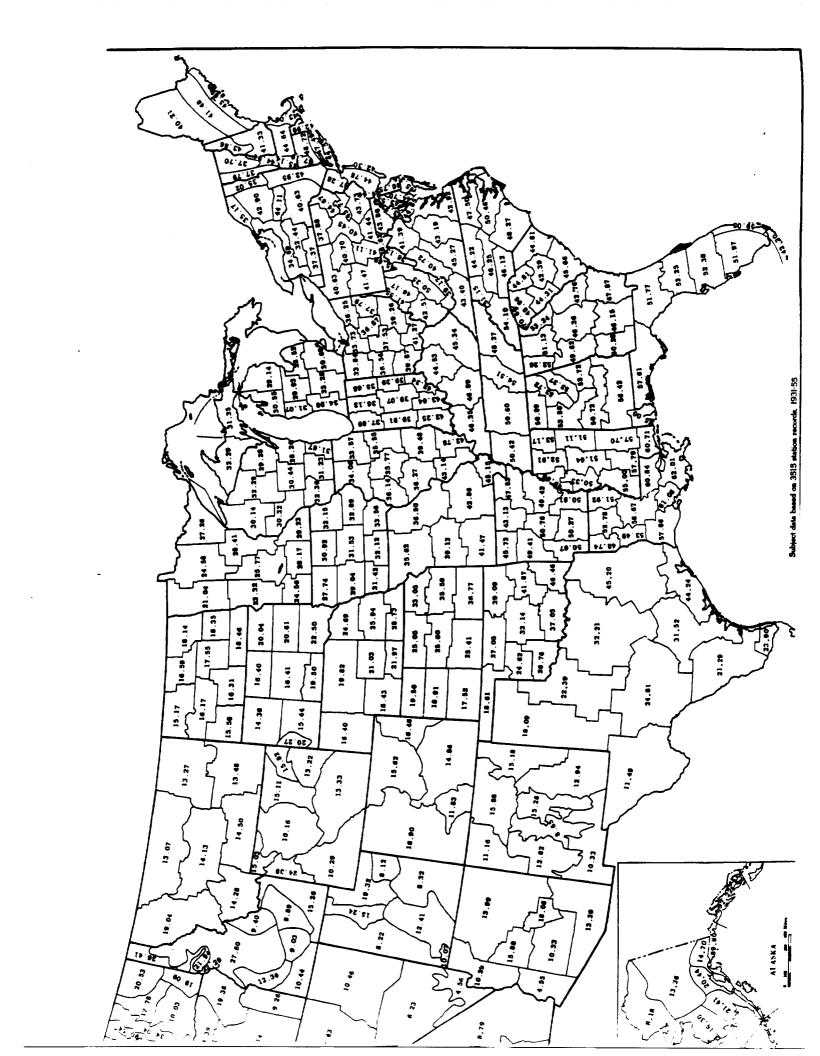




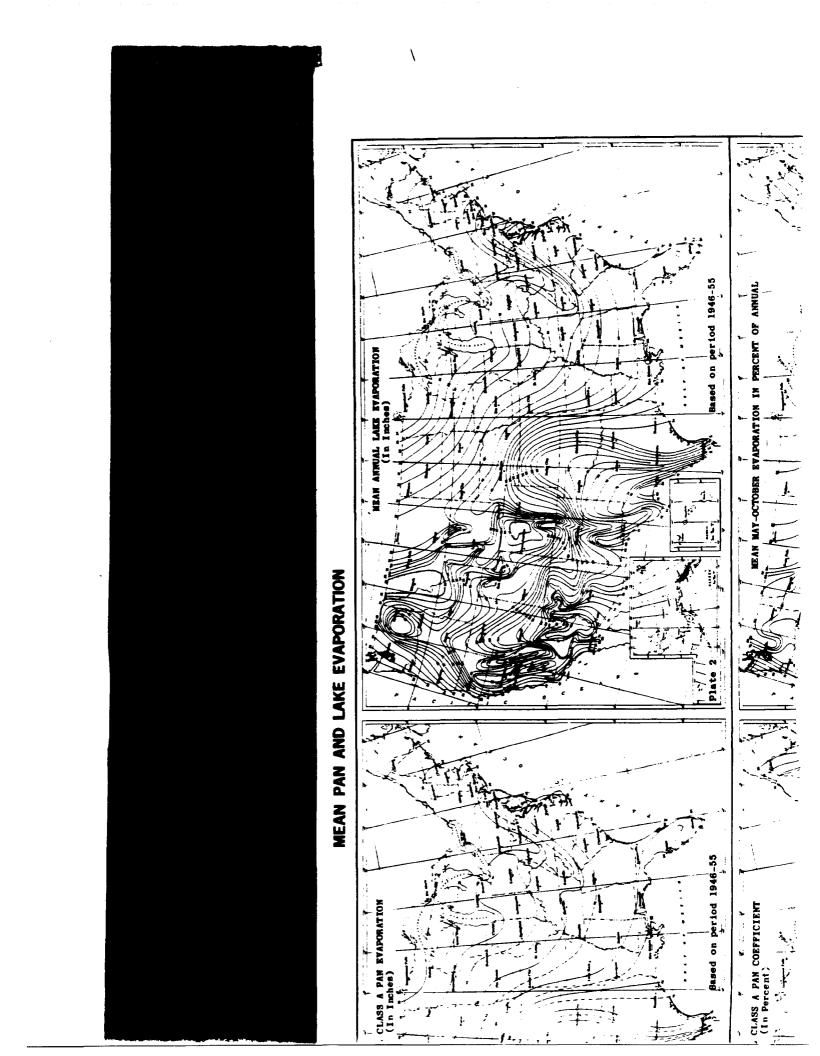
United States Department of Agriculture Soil Conservation Service

In cooperation with

**Kentucky Agricultural Experiment Station** 



# **EVAPORATION**





#### U.S. DEPARTMENT OF COMMERCE C. R. Smith, Secretary

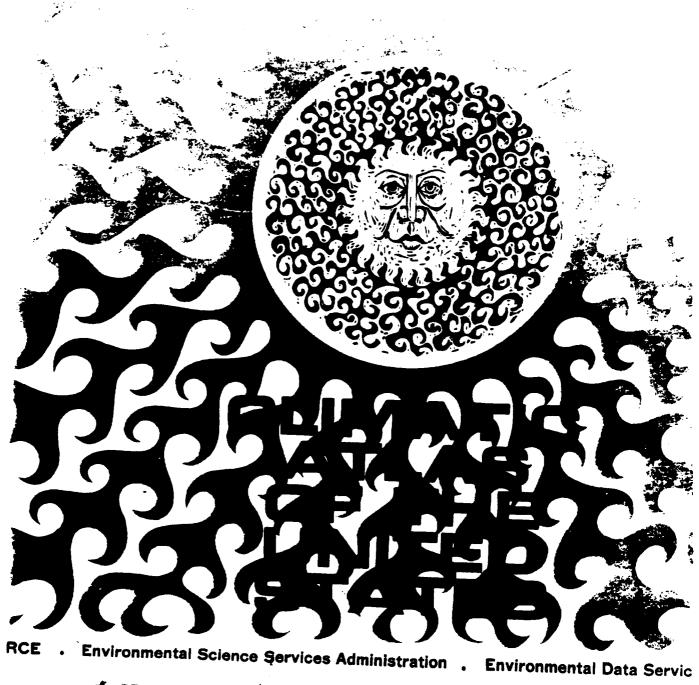
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION Robert M. White, Administrator

ENVIRONMENTAL DATA SERVICE Woodrow C. Jacobs, Director

**JUNE 1968** 

REPRINTED BY THE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
1983

For sale through the National Climatic Data Center, Federal Building, Asheville, N.C 28801, Attn: Publications.



# FAVORABLE AND UNFAVORABLE CONDITIONS FOR OBTAINING GROUND WATER

Large supplies of ground water can be obtained in many places from thick deposits of alluvium in the Ohio River valley. For the largest yield, wells should be located near the river, as much of the recharge to the alluvial aquifer is from the river and because highly mineralized water has been found in some wells drilled near the valley walls.

The alluvium of the Kentucky River and Licking River valleys, although generally finer grained than that of the Ohio River valley, contains some lenses of coarse sand and gravel. Adequate domestic supplies can be obtained generally in the lower reaches of these valleys. Coarse sand or gravel may yield as much as several hundred gallons per minute in places.

The most favorable localities for obtaining ground water in the bedrock are those where thick limestone beds containing little or no shale occur at and below stream level. Parts of the High Bridge and Lexington groups and the Cynthiana formation of the Inner Blue Grass and the limestone of Silurian and Devonian age of the western part of the Outer Blue Grass meet these conditions. Wells are less successful where shale, bentonite, or relatively insoluble limestone occurs at shallow depths. Most wells are successful where thick pure limestone underlies broad ridges or uplands.

Where bedrock consists of alternating relatively thin limestone and shale beds, the chance of obtaining an adequate ground-water supply is considerably decreased. Parts of the Cynthiana formation and Eden group and the Maysville and Richmond groups are characterized by rocks of this type.

In areas where limestone is underlain by relatively impermeable rocks that inhibit deeper percolation of water, solution has been concentrated at the base of the limestone, resulting in lateral extension and enlargement of solution channels above the impermeable rock. Most wells that penetrate thick pure limestone beds before reaching shale will be successful, except near valleys where the limestone is drained. Many of the large springs of the region issue at such horizons. In areas where limestone is overlain by shale, little recharge is available to the limestone, and there has been little or no solutional enlargement of existing openings. Very few wells will obtain an adequate or dependable water supply beneath a layer of shale.

In areas underlain by shale, water reaching the water table moves at shallow depths in weathered shale to points of lower elevation. The resistance of the shale to disintegration by water is relatively

uniform, and the water is directed by the form of the surface on which it flows, thus being concentrated beneath valleys or other topographic depressions. Some wells drilled in valleys underlain by shale will be successful. Most wells on hillsides and ridgetops underlain by shale will be failures.

Rocks of Mississippian and Pennsylvanian age, composed of limestone, siltstone, shale, and sandstone, form many of the knobs and most of the escarpment surrounding the Blue Grass region. Little water is available to wells in rocks of those types where they occur on the sides or tops of the knobs or where they are exposed on the face and steep hillsides of the escarpment. Where they underlie broad ridges, uplands, or broad stream valleys, they may yield adequate domestic supplies.

The occurrence of ground water in geologic units is described on the generalized columnsr sections that accompany the geologic and ground-water-availability maps in U.S. Geological Survey Hydrologic Investigations Atlases HA 15-25 (see Palmquist and Hall, 1960a-f; and Hall and Palmquist, 1960a-e).

# METHODS OF OBTAINING GROUND WATER

### SPRINGS

Springs have played an important role in the development of the Blue Grass region. Many towns, distilleries, and farm homes were located to be near perennial springs. In recent years the yield of many of the springs has become inadequate for current needs, owing to excessive demand, improper development, or lack of maintenance

Although springs still are used by a few distilleries and some towns, the most widespread use is for stock and domestic water supply Many springs throughout the region are not utilized. With proper development they would provide additional and, in many places, much needed supplies of water.

Springs can be developed by a number of methods, and each spring requires a unique installation to suit the local environment. The most important factor in development is that the flow of water from th mouth of the spring must be unimpeded. Damming or ponding o the water to a level higher than the mouth will allow sediment t collect and may clog the spring. To prevent clogging, the outlet o any pool or basin must be lower than the lowest point of the natural material.

An undeveloped spring should be cleaned of all debris and sedimer around the mouth to insure a free flow of water. Surface drainage should be diverted from the spring to avoid contamination and tubidity. The collecting basin or sump should be cleaned periodicall

TABLE 2.—Spring-discharge measurements, in gallons per minute (Aquifer: Ot, Tyrone limestone; Ob, Beneva limestone; Ol, Leungton group; 8b, Brassfield limestone; 8ls,

		Laurei Golomile	nne)			
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Woodford	55			3	457	
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Exceptions to this relation are found: (1) In areas where the original subsurface drainage pattern has been altered by piracy or ponding. Such areas constitute a small part of the Blue Grass region; they are generally underlain by rocks of relatively uniform high solubility; (2) In areas where topographic highs are underlain by rocks that are significantly more soluble than the rocks beneath adjacent topographic lows. Such areas normally have springs on hillsides near the contact of rocks of different solubilities. The water held up in the soluble zone may be discharged so rapidly through the springs that during dry periods this zone may contain little water.

In most places, solution openings are more extensively developed beneath the valleys than beneath the ridges. Therefore, more of the wells drilled in valleys are successful than those drilled on the ridge-tops. Plate 2 shows the relation of items of well data gathered in the inventory. For example: Of 250 wells in bedruck in valley bottoms, only 16, or 6 percent, were inadequate for domestic use, whereas 19, or 35 pergent, of 54 wells on hilltops were inadequate for domestic use.

In most of the Blue Grass region, the area of recharge for any well is confined to the surface area that drains to the site of the well. Exceptions are found in a small part of the region underlain by thick limestone where large solution channels may conduct water in directions other than the direction of the surface drainage. In those areas, where underground drainage does not accord with surface drainage, it may be difficult to determine the course and direction of movement of ground water. However, in most places alinement of sinkholes or depressions on the surface indicates the alinement of underground watercourses, but not the direction of flow.

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GROUND-WAILK UCCURRENCE

naterial, such as gravel, sand, and silt, the openings consist of spaces pores) between individual particles or grains. The amount of open pace (porosity) and the size and interconnection of the openings, which together determine permeability, are determined by the size, anch as sandstone, siltstone, or shale, openings also occur between the grains, but the porosity and permeability are reduced to a greater or erial may range from almost nothing to enough to fill the openings ngs are usually secondary and exist as a result of solution along joints and bedding planes. These openings generally are larger and more umerous near the surface and decrease in size and number with re determined essentially by the relative solubility of the rock and y the amount of water that has been in contact with the rock. Soluion openings are largest and extend to greatest depths in thick, elatively pure limestone; they are confined to shallower depths where riers below which the process of solution is ineffective. Types of limestone that are relatively insoluble include those which contain significant amounts of impurities such as clay (argillaceous limestone), magnesium carbonate (dolomitic limestone), or silica (siliceous hape, and arrangement of the grains. In consolidated clastic rocks, esser extent by cementing material. The amount of cementing maompletely. In carbonate rocks, such as limestone, the principal openlepth. The size of the openings and the depth to which they extend layers of shale, bentonite, or impure limestone serve as effective bar-

In the Blue Grass region ground water occurs in two distinct environments. One includes unconsolidated sand and gravel in the valleys of the Ohio River and the larger tributaries; the other consists of the consolidated bedrock that underlies the entire region.

limestone).

Although the unconsolidated alluvial deposits cover only a small much of the region (Walker, 1957), they are not only the source of much of the ground water presently pumped, but they also are the greatest potential source of ground water for future municipal and industrial development. Almost everywhere the alluvium of the Ohio Valbey will yield sufficient water for domestic and farm use, and in wany places it will yield several hundred to 1,000 gpm. The largest known yield is 1,400 gpm to a well near Louisville. Specially designed wells or collectors may be able to produce several thousand gullons per minute from the alluvium. One such collector, downriver from the Blue Grass region, has been pumped at a rate of 9,000 gpm (Maxwell, 1954). Such large quantities are replenished largely by induced infiltration from the river. Alluvium in the valleys of the larger

tributaries yields, in some places, several hundred gallons of water per minute, as well as adequate supplies for donnestic needs in most places. Alluvium in the smaller tributaries is generally thin and mostly silt and clay. Small amounts of water may be obtained from the thin deposits of alluvium, but few wells are known that obtain water from this source.

The only wells in bedrock that produce more than 100 gpm are those that penetrate rocks of Middle Ordovician age in the Inner Blue Grass area and a few that penetrate younger rocks in the Chio River valley. Otherwise in younger rocks, only 2 wells produce more than 50 gpm and only 7 more than 25 gpm.

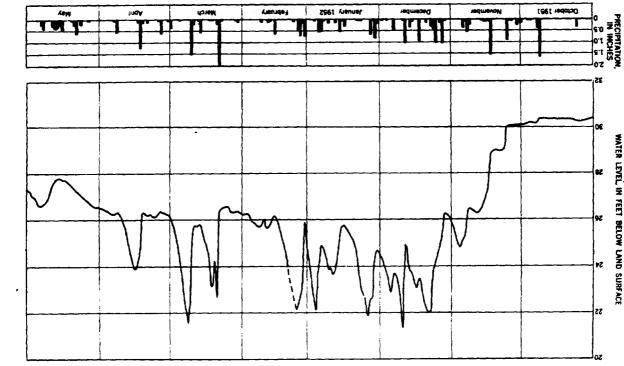
Of the 608 inventoried wells drilled in bedræk, 238 are known to produce enough water for modern domestic use with a power-pump and pressure system. About half the 284 wells equipped with hand pumps might furnish enough water for a power-pump and pressure system. Therefore, roughly 375, or three-fifths, of the wells in bedrock that were inventoried are thought to be capable of providing a modern domestic supply. The writers were told of many "dry holes" but did not inventory these, and no doubt many more have been abandoned and forgotten. Less than a quarter of the wells in bedrock that were inventoried are reported to go dry on occasion or are of such small yield as to be inadequate for any purpose. Nevertheless, considering the dry holes that were not inventoried, it is estimated that less than half the attempts to obtain adequate domestic water supplies from wells drilled in bedrock have been successful.

Locally, as much as 300 gpm is obtained from a few wells in bedrock. The specific capacity of 17 wells in alluvium and 23 wells in bedrock was determined and is shown in table 1. Table 2 shows the measured discharge of 13 springs.

Thick beds of pure limestone underlie parts of the Blue Grass region at depths greater than about 100 feet below the land surface. However, they are covered by essentially impermeable rock in most places. As a result, circulation of ground water in those areas has been restricted to a zone above the impermeable rock units, extending little more than 100 feet beneath the land surface. Solution openings at greater depths are so small that they have little or no effect on the occurrence of ground water.

The availability of ground water in a part of the Inner Blue Grass is closely related to topography and drainage (Hamilton, 1950). Other things being equal, more water is available from rocks beneath valleys than from rocks beneath hills. This relation is apparent not only in the remainder of the Inner Blue Grass where similar topographic and geologic conditions exist, but also in the entire Blue Grass under a wide range of geologic and topographic conditions.

GROUND-WATER OCCURRENCE



Figures 7.—Graph showing relation between water level in a well and precipitation near Covingtion, Ky.

Figure 8 is a hydrograph of a well in a semiconfined aquifer in Lower Mississippian shale and siltstone. The trace shows short-term drawdown and recovery resulting from intermittent pumping of a nearby well. The large recovery from the 16th to the 19th day was due to recharge from rainfall. The small upward fluctuations were caused by the weight of trains that passed the well about 300 feet away and temporarily compressed the aquifer, causing water to rise in the well.

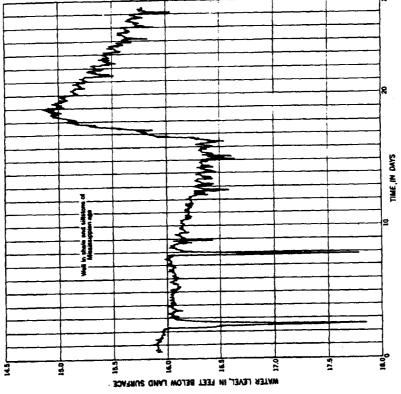


Figure 8.—Gruph showing water level in a well near Morehead, Ky.

# GROUND-WATER OCCURRENCE

Ground water occurs in openings in both consolidated and unconsolidated rocks. The nature of the openings controls the amount of water that can be stored in the rocks and the rates at which it can be replenished, or given up, to wells and springs. In unconsolidated

rocks of Silurian and Middle Devonian age underlie long, wide valleys extending into the Knolk. Upper Devonian and Lower Mississippian rocks make up the hillsides and most of the hilltops of the rough, hilly belt of the Knobs proper.

Rocks of Late Mississippian age crop out in the Knobs along the west and south edges of the area. These rocks are outliers of the Mississippian Plateau. Rocks of Early Pennsylvanian age crop out in the Knobs along the east edge of the area, mainly on the tops of hills and ridges. These rocks are outliers of the Eastern Coal Field.

The alluvial terraces of the Ohio River valley lie along the entire feet below the general level of the adjacent area. The part of the the alluvial terraces on the Kentucky side of the Ohio River. The north border of the Blue Grass region. The valley is cut about 350 Ohio River valley to be considered in the present report consists of width of the terraces ranges from zero, where the river impinges on the valley walls, to a maximum of about 5 miles, near Louisville.

County, and then northward to the Ohio River at Carrollton. The port. It drains 2,900 square miles, or 25 percent of the Blue Grass level, but it has a wider valley and flood plain than the Kentucky River and nowhere is entrenched in a steep, narrow valley. The Salt percent of the area. About 160 square miles in Lincoln County in the extreme southern part of the region is drained by the Cumberland The entire Blue Grass region lies within the drainage basin of the Ohio River. The important tributaries of the Ohio that drain the region are the Kentucky, Licking, Salt, Cumberland, and Green Rivers. The Kentucky River drains an area of about 3,700 square miles, or 33 percent of the Blue Grass region as defined. It enters the region in the southeast in Estill County, flows westward to Jessamine Kentucky River is incised as much as 300 feet below the general upland level and has cut a steep, narrow gorge where it crosses the Cincinnati arch. The Licking River enters the area in the east in Rowan County region. It has cut a valley as much as 300 feet below the upland River heads in Boyle County, flows northward to Anderson County, and thence westward to the Ohio River at West Point, south of Louisville. The Salt River drains about 2,670 square miles, or 24 and Green Rivers, which join the Ohio River in western Kentucky. A narrow strip of land along the Ohio River is drained by small and flows northwestward to the Ohio River at Covington and Newdirectly tributary streams.

pendent units much like the surface drainage, which is made up of many small watersheds. In areas underlain by limestone, subsurface The subsurface drainage pattern is composed of many small inde-

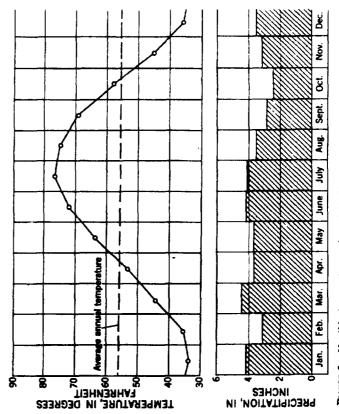
### GEOGRAPHY

drainage courses may deviate locally from the surface drainage. Suc deviations usually are evident from discontinuities in the surface drainage pattern.

#### CLIMATE

from 39 to 47 inches and averages about 43 inches. Precipitation mean annual temperature ranges from 53° to 57° F., 55° F. bein ature ranges from 75° to 78° F. and averages about 76° F. The grow from 32° to 37° F. and averages about 34° F. The mean July temper ing season is about 180 days. The mean annual precipitation range rain during the growing season in most years to cause crops to matur The spring months sometimes have enough rain to produce floods; ye in contrast, drought conditions occasionally prevail for several week about average for the region. The mean January temperature range rather evenly distributed throughout the year, there being sufficier The climate of the Blue Grass region is of the humid continents type, with sharp contrasts between the winter and summer. during the summer.

Figure 3 consists of two graphs showing the monthly temperatur and precipitation averaged for 10 stations in the Blue Grass region.



Flours 3.—Monthly temperature and precipitation averaged from normals for 10 station in the Blue Grass region.

GROUND WATER, BLUE GRASS REGION, KENTUCKY

where no geologic map was available. There the geologic boundaries were drawn on the basis of available well logs and a reconnaissance prepared by the Kentucky Geological Survey. The geologic maps are ncluded in U.S. Geological Survey Hydrologic Investigations Atlases References to the original county maps appear in the Geologic mapping was restricted largely to part of Rowan County, ield study. Additional geologic mapping was done in several counties where the existing maps did not distinguish some of the more important water-hearing strata. Most of the geology shown on the maps, however, has been adapted from existing county geologic maps IIA 15-25 (see Palmquist and IIall, 1960a-f; and Hall and Palmquist, 1960a-e).

# **ACKNOWLEDGMENTS**

lerest of well owners, well drillers, county agents, and United States The reconnaissance was aided greatly by the cooperation and Soil Conservation Service employees in the region.

Survey, aided materially in the compilation of the stratigraphic Dr. A. C. McFarlan, former director of the Kentucky Geological correlation chart of the region.

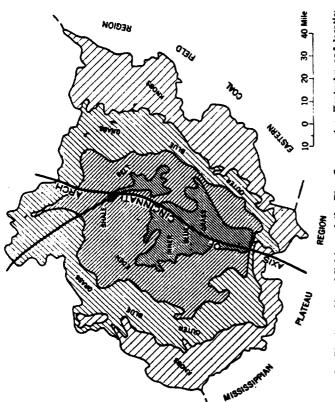
## GEOGRAPHY

However, for the purpose of this report it is defined to include also pian Plateau. Most of the region lies in the Lexington Plain section Eden shale belt, and Outer Blue Grass physiographic subdivisions. he Knobs and small parts of the Eastern Coal Field and Mississipof the Interior Low Plateaus physiographic province (Fenneman, 1938). Figure 2 shows physiographic subdivisions and the outer The Blue Grass region proper consists of the Inner Blue Grass, imits of the area of this report as determined by county boundaries.

# TOPOGRAPHY AND DRAINAGE

The central part of the Blue Grass region as shown in figure 2 coincides, for the most part, with what is known as the Inner Blue (Ordovician) and older Ordovician strata. The area is a gently lying the area is linustone that has been subjected to considerable truss and consists of the outerop areas of the Cynthiana formation rolling upland in which the Kentucky River and some of its tributaries are entrenched as much as 300 feet. Most of the rock undererosion by solution, both on and beneath the surface. As a result, much of the drainage is underground. In places the underground drainage comes to the surface to form springs. The area is dotted with sinkholes as much as 60 feet deep and 1 square mile in area.

## GEOGRAPHY



Froung 2.—Physiographic subdivisions of the Blue Grass region, Kentucky, and location of the Cincinnati arch.

of the outcrop area of the Eden group of Ordovician age, which is cause of the steep slopes, runoff is rapid, and few perennial streams The Inner Blue Grass is surrounded by a band of dissected, hilly The Eden shale belt consist: made up mainly of shale and interbedded thin layers of limestone and is characterized by sharp, irregular ridges and narrow valleys. Be country known as the Eden shale belt. originate in the Eden shale belt.

The Outer Blue Grass surrounds the Eden shale belt. The Outer ville groups of Ordovician age and part of the outcrop area of rocks siderable interbedded shale. The topography is gently rolling except near major streams, where it is dissected and rugged. There has been some subsurface solution, and small sinkholes are fairly common Blue Grass consists of the outcrop areas of the Richmond and Mays of Silurian age. These rocks are chiefly limestone but include con but most of the drainage is on the surface.

Bordering the Outer Blue Grass on the east, south, and west is a belt, known as the Knobs, which is underlain by rocks of Silurian Devonian, and Early Mississippian ages. The outcrop of Silurian and Devonian rocks west of the Cincinnati arch is gently rolling and more or less continuous with the Outer Blue Grass. East of the arch

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#### UNITED STATES DEPARTMENT OF THE INTERIOR STEWART L. UDALL, Secretary

GEOLOGICAL SURVEY

Thomas B. Nolan, Director

For cale by the Superintendent of Documents, U.S. Government Printing Office Washington 25, D.C.

#### Reconnaissance of Ground-Water Resources in the Blue Grass Region Kentucky

By W. N. PALMQUIST, JR., and F. R. HALL

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1533

Prepared in cooperation with the Commonwealth of Kentucky, Department of Economic Development and the Kentucky Geological Survey, University of Kentucky



## LOGBOOK REQUIREMENTS REVISED - JANDARY 6, 1988

NOTE: ALL LANGUAGE SHOULD BE FACTUAL AND OBJECTIVE

- Record on front cover of the Logbook: TDD No., Site Name, Site Location, Project Manager
  - 2. . All entries are made using ink.
- 3. Provide statement referencing Equipment Location Log.
- Statement of Work Plan, Study Plan, and Safety Plan discussion and distribution to field team with team member signatures.
  - Sign and date each page. Project Manager is to review and sign off on each logbook daily.
    - 6. A single line is drawn through error. Each correction is dated/initialed.
      - 7. Report weather conditions. Provide general site description and remarks.
- Document all changes from project planning documents.
  - 9. Provide a site sketch with sample locations.
- 10. Document all calibration and preoperational checks of equipment.
  - 11. Provide reference to Sampling Field Sheets for detailed sampling information.
- 12. Maintain photo log by completing the stamped information at the end of the logbook.
- 13. If no site representative is on hand to accept the receipt for tamples an entry to that effect must be placed in the logbook.

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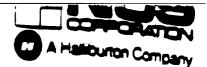
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#### REFERENCE 6

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AND: Jeff Myers, NUS Corpora	etion					
DISCUSSION:						
	dences that do not have access to municipal	water abtain their water from cistarns				
and springs. Very few, if any, p	private wells in the area due to a high sulfur	content in the groundwater.				
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ACTION ITEMS:						

#### WELL INVENTORY FORM



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	<del> </del>				\$					
B. LONG TERM STRATEGY (On S See instructions for a list of Ke							ound water	monitoring wells, etc.		
	2. EST.		4.		1		T			
1. ACTION	START	END DATE (mo, day, & yr	ACTION A	tate	5. ESTIMATE	ED COST	INDICA	FY 311 OR OTHER ACTION; ATE THE MAGNITUDE OF HE WORK REQUIRED		
	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			s					
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			<u> </u>		<u> </u> \$	<u></u>	1			
C. ESTIMATED MANHOURS AND 2. TOTAL EST. MANHOURS FOR	1					2. TOTA	L EST.			
1. ACTION REMEDIAL AGENCY ACTIVITIES		TAL EST. COST FOR MAL ACTIVITIE	1 1.	ACTION	AGENCY	MANHOU REME ACTIV	L EST. IRS FOR DIAL ITIES	3. TOTAL EST. COST FOR REMEDIAL ACTIVITIES		
a. EPA	<u> </u>		b. ST	ATE HER (sp	ecify)	<u> </u>				
C. PRIVATE PARTIES			4.01		,					



MARTHA LAYNE COLLINS GOVERNOR

#### COMMONWEALTH OF KENTUCKY

#### NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FORT BOONE PLAZA 18 REILLY ROAD FRANKFORT, KENTUCKY 40601

#### MEMORANDUM

TO:

Caroline P. Haight, Manager

Permit Reweiw Branch

THRU:

Barry Burrus, Chief

Uncontrolled Site Seg

FROM:

Robert L. Prewitt, Environmental Program Coordinator

Uncontrolled Site Section

DATE:

August 9, 1985

SUBJECT: Uncontrolled Site Closeout for Anaconda, Ind. Magnet Wire and Cable

The Anaconda, Ind. magnet wire and cable facility is located North of LaGrange, Kentucky in Oldham County. The facility manufactures various types of magnet wire and cables. From the process, a waste caustic wash solution is generated. Inclusion of the facility on the Region IV CERCLIS is due to the notification in 1980 of hazardous waste activity as a treatment, storage and disposal facility. In 1981, the Part A was officially withdrawn as a TSD facility, but the generator status was retained. In 1983, the facility's name changed to Anamag Limited.

The Dawkins Road Site in Oldham County presently has several drums with the Anaconda Industries name on them. There is no evidence of any other off-site disposal in the Division files. Conversations with the Louisville field office inspector indicates that the facility is in compliance and has had no on-site disposal. This facility is regulated by RCRA.

After reviewing information within the Division and completion of a preliminary assessment by Jim Jarman, I recommend this site receive no further action and be removed from the uncontrolled site list.

JJ/tlj

Marsha Swain c:

EPA /

File

<b>≎EPA</b>	POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT  L IDENTIFICATION OI STATE IOS SITE NUMBER LY D0429434						
II. SITE NAME AND LOCATI	ON						
01 SITE NAME (Lingal, common, or descri			T, ROUTE NO., OR	SPECIFIC LOCATION IDENTIFIE	A		
I ANACONDA	IND. MAGNET WIPE	ccable H	iahwau 14	6 Boxzq			
103 City	3	04 STATE		8 COUNTY	OFCOUNTY	08 CON	
LA GRANGE		I KV	40031	OIDHAM	185	04	
09 COORDINATES LATITUDE 38°25' 09".	LONGITUDE D850 20 32		······································			1	
Take High	way 146 NORTH Fro > TRACKS AND TURN	m LAGra	rage, ky	. about 1 1/2 m	wies. Cros	55	
III. RESPONSIBLE PARTIES	> IKHCKS MY INEK	CC. 1. 142 S	3 04				
01 OWNER (# Imperio)		02 STREE	T (Business, making, red	ectential)			
ANACONDA 3	ENDUSTRIES		1/4 Mendo	WSTREET			
03 CITY		04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	<del>- T</del>		
Waterbury		CT.	06702	(3/2) 858-40	000		
William Peter		1 .	1 (Brances, metro), rec Way /46				
LA GRANGE		10 STATE	4003(	12 TELEPHONE NUMBER (502) 22294/	5		
13 TYPE OF OWNERSHIP /Check one, A. PRIVATE (	B. FEDERAL: (Age)	ncy name)	_ C. STATE		MUNICIPAL		
☐ A. RCRA 3001 DATE REC		CONTROLLED WAST	E SITE (CERCLA 103)	e) DATE RECEIVED:	DAY YEAR	NONE	
IV. CHARACTERIZATION O			•			,	
DI ON SITE INSPECTION  OLYES DATE	BY/Check at their appl 28,85	P))  B. EPA CONTRA  EALTH OFFICIAL  [			ER CONTRACTOR		
1	CONTRACTOR	NAME(S):		(Specify)			
02 SITE STATUS (Check one)  A. ACTIVE B. INACT	TVE D.C. UNKNOWN	RS OF OPERATION 1967		ent unkn	OWN		
1	POSSIBLY PRESENT, KNOWN, OR ALLEC			<del></del>			
	tic wash solution	5					
Waste varmi	sh & solvents.						
05 DESCRIPTION OF POTENTIAL HA	ZARD TO ENVIRONMENT AND/OR POPUL	LATION		<del></del>			

NONE

D B. MEDIUM

,,,,	[D	(anabac) day same	Superpla person (We shall be	COUNTRIES CONTRIES C	STEEDS SUPPLY
VI. INFORMATION AVAILABLE FROI	M				
MARSHA SWAIN		KNREPC		te Management	03 TELEPHONE NUMBER
04 PERSON RESPONSIBLE FOR ASSESSMEN	T	OS AGENCY KUREPC	Div. Waste MgT.	07 TELEPHONE NUMBER (502)514-6716	OB DATE  OB (0) (85  MONTH DAY YEAR

C C. LOW

XD NONE

EPA FORM 2070-12 (7-81)

A. HIGH

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or

_	
	CDA

#### POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION .

<b>VEI</b>	A		PART 2 - WAST	ASSESSMEN I E INFORMATION		Ky Do4	<u> 2943423</u>
II. WASTE ST	TATES, QUANTITIES, AN	D CHARACTER	STICS				
01 PHYSICAL STATES (Check of that apply) 02 WASTE QUANT			C3 WASTE CHARACT  A TOXIC  B CORRO  C RADIOA  D D PERSIS	ICTIVE G. FLAM	BLE G I HIGHLY TIOUS G J. EXPLOS MABLE G K. REACT	SIVE ME PATIBLE	
III. WASTE T	YPE				<u> </u>		
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE		·				
OLW	OILY WASTE						
SOL	SOLVENTS		N/A		NA		
PSO	PESTICIDES			<u> </u>			
occ	OTHER ORGANIC CH	EMICALS	Site is	in compli	INCE WIT	h ecea j	nspections.
100	INORGANIC CHEMIC	ALS		\			
ACD	ACIDS		<u> </u>	<u> </u>			
BAS	BASES				<del> </del>	- <u></u>	
MES	HEAVY METALS OUS SUBSTANCES (500 A)			<u> </u>	1		
01 CATEGORY	02 SUBSTANCE N		03 CAS NUMBER	04 STORAGE/DIS	POSAL METHOD	05 CONCENTRATION	08 MEASURE OF CONCENTRATION
OT CATEGORY	02 3083 TARGE R		O O O TO TO TO TO			US CONSERTION	CONCENTRATION
			<u> </u>				
	A\/a.		<del></del>	AI	/A		1
	N/F			- IV	<u> </u>		
	All wastes o	ne Remo	ved and tr	ausported	to Em	EILE alas	ana's
			cility. St		Report at	toaked	1
	The Call Moos	- C-71C 1C	C 17 . 31	E Annual	Report at	i i	
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				<del>                                     </del>	<del></del>	<u> </u>	
							1
V. FEEDSTO	CKS (See Appendix for CAS Rumb)	ra)	<u> </u>	• • • • • • • • • • • • • • • • • • •			
CATEGORY	01 FEEDSTOC	K NAME	02 CAS NUMBER	CATEGORY	O1 FEEDSTO	OCK NAME	OZ CAS NUMBER
FDS				FDS			
FDS			1	FDS			
FDS				FDS			
FDS				FDS			
VI. SOURCE	S OF INFORMATION (CH.	specific references, e.g.,	state files, sample analysis,	reports )			
KNRI	EPC STATE	Files		4			

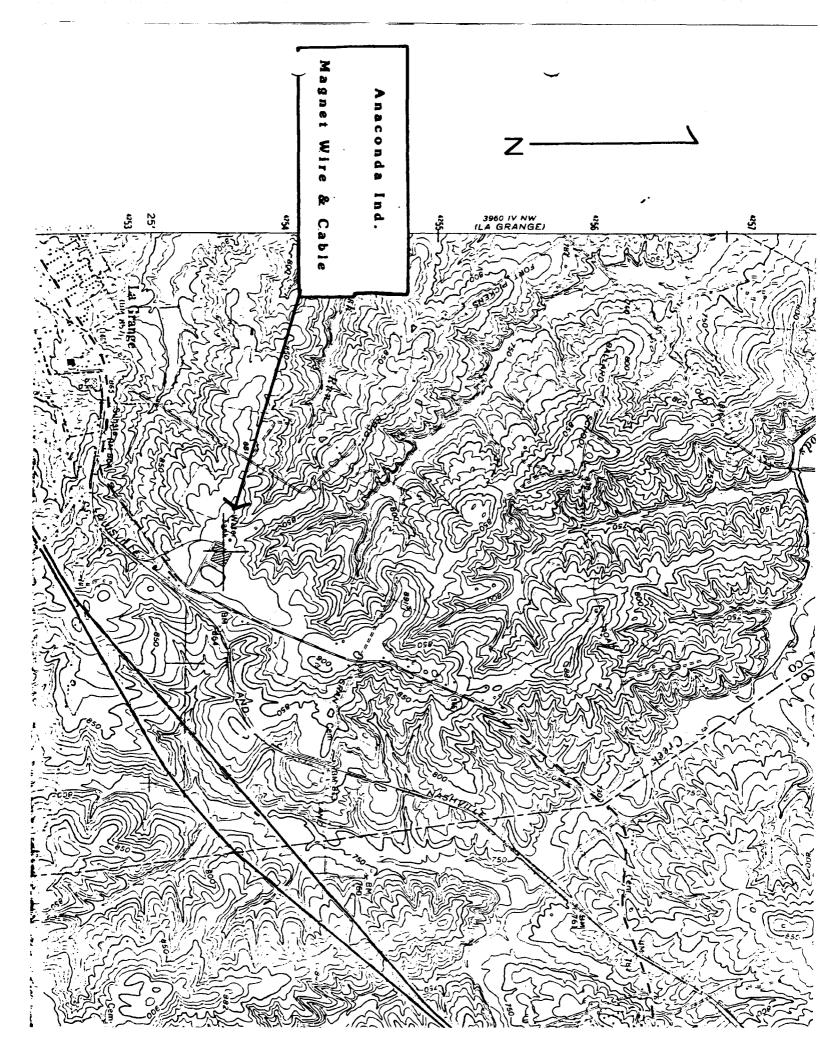
**SEPA** 

#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

L IDEN	TIFICATION
01 STATE KY	02 SITE NUMBER 1042943423

PART 3 - DESCRIPTION (	OF HAZARDOUS CONDITIONS AND INCID	DENTS	
IL HAZARDOUS CONDITIONS AND INCIDENTS			
01 © A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:	.) D POTENTIAL	□ ALLEGED
01 DB. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02   OBSERVED (DATE:	.) DIPOTENTIAL	□ ALLEGED
01 © C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:  NA	02 D OBSERVED (DATE: 04 NARRATIVE DESCRIPTION	.) D POTENTIAL	□ ALLEGED
01 © D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:04 NARRATIVE DESCRIPTION	_) D POTENTIAL	□ ALLEGED
01 DE DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:  NA	02 DOBSERVED (DATE:	) D POTENTIAL	C ALLEGED
01 © F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: (Acres)	02 OBSERVED (DATE:04 NARRATIVE DESCRIPTION	)   POTENTIAL	□ ALLEGED
01 G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:  NAME	02   OBSERVED (DATE:	_) □ POTENTIAL	ALLEGED
01 C H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	*02   OBSERVED (DATE: 04 NARRATIVE DESCRIPTION	_) □ POTENTIAL	□ ALLEGED
01 C.1. POPULATION EXPOSURE/INJURY 03. POPULATION POTENTIALLY AFFECTED:  NA	02   OBSERVED (DATE:	POTENTIAL	□ ALLEGED

	POTENTIAL HAZARDOUS WASTE SITE			L IDENTIFICATION	
<b>ŞEPA</b> PART	PREL	LIMINARY ASSESSMENT OF HAZARDOUS CONDITIONS AND INC	IDENTS	O1 STATE 02	SITE NUMBER 0042943423
R. HAZARDOUS CONDITIONS AN	ND INCIDENTS (Communic	n			
01 [] J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	·	02 D OBSERVED (DATE:	) 🛮	POTENTIAL	D ALLEGED
	NA				•
01   K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (metuos	s name(s) of species)	02 OBSERVED (DATE:	_) 0	POTENTIAL	C) ALLEGED
•	N/A				*
01 C L CONTAMINATION OF FOOD 04 NARRATIVE DESCRIPTION	P/A	02 OBSERVED (DATE:	_) 0	POTENTIAL	□ ALLEGED
01 DM. UNSTABLE CONTAINMENT	g aruma)	02 - OBSERVED (DATE:	_) 🗆	POTENTIAL	□ ALLEGED
03 POPULATION POTENTIALLY AFF	N/A	04 NARRATIVE DESCRIPTION			
Q1 D N. DAMAGE TO OFFSITE PRO Q4 NARRATIVE DESCRIPTION	PERTY	02 OBSERVED (DATE:	_) 0	POTENTIAL	☐ ALLEGED
01 O. CONTAMINATION OF SEWI 04 NARRATIVE DESCRIPTION	ERS, STORM DRAINS, W	WTPs 02 () OBSERVED (DATE:	_) □	POTENTIAL	□ ALLEGED
01 M.P. ILLEGAL/UNAUTHORIZED D		02 OBSERVED (DATE:		POTENTIAL	□ ALLEGED
N 100 DRUMS Ollham Dunty. The	of phenolic type at Site is Know	e compounds dumped on promas the Arukinis Road Site.	o bo Lyd	IN La	Grange, Ky-
06 DESCRIPTION OF ANY OTHER K	NOWN, POTENTIAL, OR	ALLEGED HAZARDS			
IL TOTAL POPULATION POTENT	TALLY AFFECTED:				
IV. COMMENTS	is in tomplia	nce with Engrections by	2C# A	A. 4 -	Sue ro ter
A forth was filed i	'n 1950 om D	withdrawn in sept., 1981. The Dawkins Road site (010114	Fred	promise	this site
Téteine po Further Ac	tion. Hovever,	the Dawkins Road site ( 01014	nco.) Co	ntains Dru	ims with annual
V. SOURCES OF INFORMATION	Cite specific references, e.g., sta	re Res. sample analysis, reports)		<del></del>	
KNREIC FILES.					
		•			





#### COMMONWEALTH OF KENTUCKY

# Jocumentation Parkage FOR ANA Conda IND: cable Magnet wine: cable NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION

FORT BOONE PLAZA 18 REILLY ROAD FRANKFORT, KENTUCKY 40601

MEMORANDUM

TO:

Barry Burrus, Chief

Uncontrolled Site Se

FROM:

**Bob Prewitt** 

Uncontrolled Site Section

DATE:

February 14, 1984

SUBJECT: Kentucky Uncontrolled Site Preliminary Assessment Report

Site Name: Dawkins Road Site.

Location: Dawkins Road, LaGrange, Ky.

Site Coordinator: Bob Prewitt

Field Contact: Marsha Swain

#### Background

The Dawkins Road Site is located in a junkyard, on Dawkins Road about 3/4 mile off of Hwy 146 west of LaGrange, Ky.

The junkyard is owned and operated by Jim Sanders. Between 1974-76 Mr. Sanders accepted approximately 100 drums of waste from Anaconda in LaGrange. Mr. Sanders emptied the contents of a few of these drums on the ground so he could clean and reuse them. The odor from the waste was so noxious he placed the remaining drums into an empty pond on his property and covered them with dirt. An inspection on November 30, 1982 by the field office noted a phenolic odor still present around the site. Samples were taken from different areas at this site by the Louisville Field office and analysis of these samples revealed high concentrations of phenol, napthalene and cresylic acid.

#### **EPA** Documents

Transmittal letter Preliminary Assessment Form 2070-12

#### Additional Information

A Geological Assessment of this site was done November 18, 1983 by Jim Jarman. It will be included with the PA for EPA's perusal.

#### Recommended Action

Considering the facts that we are dealing with listed hazardous wastes and an area that lends itself to groundwater contamination, the site was given a medium priority by EPA's ranking system. This very simply means a site inspection is required. It is also my recommendation that due to the scope of investigation needed this should be handled by the EPA FIT.

BP/kwb

<b>\$EPA</b>	PRELIMINARY	RDOUS WASTE SITE 'ASSESSMENT TION AND ASSESSMENT	L IDENTIFICATION
II. SITE NAME AND LOCATION			
DAWKINS ROAD	Site	Behind Jim San OA STATE OS ZIP CODE OB COUNTY Ly 40031 Old	· ·
La Grange DO COORDINATES LATITUDE  38 24 30.0	LONGITUDE 85 24 01.3	Ky   40031   012	than
From Huy 146 West of Sanders july and on	La Grange take	Dawhins Rd 3/4 s	rile to Jim
III. RESPONSIBLE PARTIES O1 OWNER IS APPEARD.		02 STREET (Business, making, residence)	
Jim Sanders		DAWKINS R	ط
03 CITY  LA Grange  07 OPERATOR 18 known and different from current			PHONE NUMBER  ) None
Same			
O9 CITY		10 STATE 11 ZIP CODE 12 TEL	EPHONE NUMBER )
13 TYPE OF OWNERSHIP .Creck ever  A. PRIVATE B. FEDERAL:  F. OTHER:	(Agency name)	C. STATE DD.C	COUNTY DE. MUNICIPAL
14 OWNER OPERATOR NOTIFICATION ON FILE (Chec			
C A. RCRA 3001 DATE RECEIVED:		LED WASTE SITE (CERCLA 103 c) DATE	RECEIVED: / / X C. NONE
IV. CHARACTERIZATION OF POTENTIAL	HAZARD BY (Check of that apply)		
X YES DATE 11183	- · · · · · · · · · · · · · · · · · · ·	A CONTRACTOR C. STATE	☐ D OTHER CONTRACTOR
02 SITE STATUS (Check one)	03 YEARS OF OPER	ATION	
XA. ACTIVE B. INACTIVE C. UN		BEGINNING YEAR ENDING YEAR	□ UNKNOWN
results of 1/11/83 som	ENT, KNOWN. OR ALLEGED  LING  LEVELLE   dend nextal	ne, crenzlie acis	
(0-crest m-cresol p-1	cresol)		
orea and the concentrate contamination is very	ion of Logardons Light.	uto the geological of waster great the	anotion in this 2 octation for
V. PRIORITY ASSESSMENT			
O1 PRIORITY FOR INSPECTION (Check one if high or med  A GH  Inspection reduced promptin)  \$\forall \text{p} \text{ MED} \text{ (inspection reduced promptin)}		D. NONE	ons and incounts; 166. Complete Current disposition forms
VI. INFORMATION AVAILABLE FROM			
Marsha Suain  JA PERSON RESPONSIBLE DR ASSESSMENT	Dir CO	aste Mgt Louine	LEPHONE NUMBER OB DATE
Bob Grewitt EPAFORM 2070-12 (7-81)	Div wm	Uncontrolled Sites 150	2' 564-6716 MONTH DAY YEAR

**EPA** 

#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

- 1		IFICATION
	OI STATE	02 SITE NUMBER

A. WASTE ST	TATES, QUANTITIES, AN	ID CHARACTER	ISTICS				•
OI PHYSICAL S	TATES ICANCE OF THE MOON!	02 WASTE QUANT		03 WASTE CHARACT	ERISTICS (Choca at that	1007)	
C A. SOUD C B. POWDE C C. SLUDGE		TONS CUBIC YARDS		A. TOXID C E. SOLUBLE C I. HIGHLY VOLATILE C B COPROSIVE C F. INFECTIOUS C J. EXPLOSIVE C C. PADIOACTIVE C G FLAMMABLE C K. REACTIVE C D. PERSISTENT C H. IGNITABLE C L. INCOMPATIBLE			SIVE
C 0. OTHER	(Savcari)	NO. OF DRUMS				E M. NOT A	
III. WASTET	YPE	*		<i></i>		·····	
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS	<del></del>	<del></del>
SLU	SLUDGE	······································	<del> </del>				<del></del>
OLW	OILY WASTE	······································					
SOL	SOLVENTS	<del></del>					
PSD	PESTICIDES					<del></del>	
ОСС	OTHER ORGANIC CH	IEMICALS	100 DR				
юс	NORGANIC CHEMIC		100 DR		OFUMS WES	e compadade	covered
COA	ACIDS		<del>}</del>				
BAS	BASES				<del> </del>		
MES	HEAVY METALS				<del> </del>		
IV. HAZARDO	OUS SUBSTANCES (See A	Coords for Post Fedura	N Stee CAS Number	<u> </u>	L		<u>.</u>
01 CATEGORY	02 SUBSTANCE N		03 CAS NUMBER	04 STORAGE DIS	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
occ	Cresol		1319-77-3		drums	3985.0	CONCENTRATION
occ	phenol	<del></del> ,	108-95-2	Ornanciea !!	11	1	79/19
000	naphalene		91-20-3	10	11	468.0	<del>                                     </del>
1/4-	NAP : MATERIAL	<del></del>				798.0	<del>                                     </del>
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V. FEEDSTO	CKS (See Accending for CAS human						
CATEGORY	O1 FEEDSTOC	K NAME	02 CAS NUMBER	CATEGORY	O1 FEEDSTO	CK NAME	02 CAS NUMBER
FDS	Inapthalene		91-20-3	FDS			
FDS				FDS			
FDS				FDS		i	
FES				FDS			
VI. SOURCE	OF INFORMATION	10 POUR 19 PRINCES 8 9 .	Store files, Jampie enemals.	100/12 (			
State !	sample anal Its	ضيو		ź			

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#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

L	IDENT	IF	CAT	ION	
1	STATE	02	SITE	MUME	REA

DITA GROUNDWATER CONTAMINATION DISPOPULATION POTENTIALLY AFFECTED:	02 G OBSERVED (DATE	_) SEPOTENTIAL	C ALLEGED
see geologie report			
11 X B SURFACE WATER CONTAMINATION 23 POPULATION POTENTIALLY AFFECTED	02 C OBSERVED (DATE: 04 NARRATIVE DESCRIPTION	_) S POTENTIAL	D ALLEGED
Druns were emptied on !	the ground others were	compacted of	buied
01 C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED	02 = OBSERVED (DATE	_) C POTENTIAL	C ALLEGED
01 D. FIRE EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED.	02 © OBSERVED (DATE	_) C POTENTIAL	D ALLEGED
DIXE. DIRECT CONTACT	02 OBSERVED (DATE	_) X POTENTIAL	C ALLEGED
3 PÕPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	•	
	•	•	
DI XF. CONTAMINATION OF SOIL DI AREA POTENTIALLY AFFECTED:  ACTURE	02 COBSERVED (DATE: 11/30/82 04 NARRATIVE DESCRIPTION		□ ALLEGED
Druns were emptied on th	e ground sometime I	elwen 1974.	41916
•			
1 🌠 DRINKING WATER CONTAMINATION	02 © OBSERVED (DATE. 04 NARRATIVE DESCRIPTION	_1 C POTENTIAL	☐ ALLEGED
01 🌠 DRINKING WATER CONTAMINATION		_) C POTENTIAL	☐ ALLEGED
DI SG DRINKING WATER CONTAMINATION DISPOPULATION POTENTIALLY AFFECTED.		_) C POTENTIAL	C ALLEGED

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#### POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIFICATION

PART 3 - DESCRIPTION OF	HAZARDOUS CONDITIONS AND INCIDEN	TS L	
ZARDOUS CONDITIONS AND INCIDENTS (Common)			
J. DAMAGE TO FLORA IARRATIVE DESCRIPTION	02 D OBSERVED (DATE:)	E) POTENTIAL	C) ALLEGED
			•
K. DAMAGE TO FAUNA  IARRATIVE DESCRIPTION (Include name(s) of Epocas)	02 OBSERVED (DATE:)	D POTENTIAL	. C ALLEGED
L CONTAMINATION OF FOOD CHAIN ARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	[] POTENTIAL	C ALLEGED
M. UNSTABLE CONTAINMENT OF WASTES (Soldwared Material Source) (OPULATION POTENTIALLY AFFECTED)	02   OBSERVED (DATE)  O4 NARRATIVE DESCRIPTION	D POTENTIAL	□ ALLEGED
•*			
N. DAMAGE TO OFFSITE PROPERTY  ARRATIVE DESCRIPTION	02 CI OBSERVED (DATE)	[] POTENTIAL	CI ALLEGED
· · · · · · · · · · · · · · · · · · ·	ing the second of the second o		, ·
O O. CONTAMINATION OF SEWERS, STORM DRAINS, WY ARRATIVE DESCRIPTION	VTPs 02 CI OBSERVED (DATE)	CI POTENTIAL	[] ALLEGED
		· · •	
P. ILLEGAL/UNAUTHORIZED DUMPING ARRATIVE DESCRIPTION	02 □ OBSERVED (DATE)		X ALLEGED
approfinately 100 dues comparted of covered by	did	30 / 00	**************************************
ESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR A			
			•
OTAL POPULATION POTENTIALLY AFFECTED:			
OMMENTS			
.,			<u> </u>
DURCES OF INFORMATION (Cité appenho references, e.g., alone	Res, sample ensisting, reports)		
State files			
attacked Geological	assissment		

				* * *
PRELI	L HAZARDOUS WASTE SITE IMINARY ASSESSMENT FHAZARDOUS CONDITIONS AND INCI	DENTS	I. IDENTIF	ICATION SITE NUMBER
L HAZARDOUS CONDITIONS AND INCIDENTS				
01 % A GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED  ALL GLOLOGIE REPORT	02 C OBSERVED (DATE	.1 <b>)</b> 8-4	OTENTIAL	☐ ALLEGED
01 XB SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED  Duno were emptired on t	02 = OBSERVED (DATE	•	tel 4	D'ALLEGED
01 C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED	02 C OBSERVED (DATE	.) E P	OTENTIAL	C ALLEGED
01 D FIRE EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED	02 - OBSERVED (DATE	.) CP	OTENTIAL	C ALLEGED
01 X E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:	02 G OBSERVED (DATE	.) <b>)</b> %.P	OTENTIAL	C ALLEGED
01 X F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED:  [Acres]  Drums were emptied on the	02 XOBSERVED IDATE 11/30/82 04 MARRATIVE DESCRIPTION ground sometime L	•	OTENTIAL IG 14 c	DALLEGED
01 XG DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED.  See geologic report	02 C OBSERVED (DATE	I CP	OTENTIAL	C) ALLEGED
01 TH WORKER EXPOSURE INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 _ OBSERVED (DATE	) 🗆 Pi	OTENTIAL	D ALLEGED

02 G OBSERVED (DATE: 04 NARRATIVE DESCRIPTION

C POTENTIAL

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This ite was sent 12-16-81 to the attached list of ki facilities.

#### Gentlemen:

This letter is to acknowledge receipt of your request for withdrawal of your application for a permit under the Resource Conservation and kecovery Act (RCRA), as amended. Your letter indicated that you no longer treat, store, or dispose of hazardous waste.

It has been our general experience that the RCRA regulations and the amendments which have been published since May 19, 1980, have caused confusion, and have been subjected to misinterpretation. This confusion on the part of the regulated community has been compounded, due to EPA's and the State's overlapping responsibilities for implementation of the hazardous waste regulatory program during the period of interim authorization.

Withdrawal of your permit application constitutes revokation of interim status, as defined by Section 3005(e) of the Act. Consequently, under the Federal program, you would no longer be allowed to treat, store, or dispose of hazardous waste. However, as you are probably aware, the State has been authorized to implement certain requirements of the program in lieu of the Federal regulatory requirements. Therefore, withdrawal of your applications also directly affect the State program.

In light of the foregoing, EPA plans to proceed as follows. EPA will place your file in our "suspense" file. This action, in essence, revokes you interim status under the Federal program. However, we will forward the request to the State for formal action. The State will contact you if further information relating to your request is required. If the State agrees that your waste is not hazardous, and that you do not need a RCRA permit, the State will notify you of this determination, and by carbon copy of this notification sent to EPA, your application will be formally withdrawn, and your file will be inactivated.

In conclusion, this letter should <u>not</u> be construed as EPA's concurrence with your determination that RCRA regulatory requirements are not applicable to your facility. Furthermore, this letter does not relieve you of your responsibility to comply with State and Local hazardous waste regulatory requirements.

Andonda

Finally, your request to withdraw interim status means that you may not treat, store, or dispose of hazardous waste without a permit issued under the authority of §3005 of the Act and 40 CFR 264.

If for any reason you wish to reconsider this withdrawal request, please advise this office and the State within the next ten days. You should be receiving a formal response to your request from the State in the near future. If you require further clarification, please contact John Herrmann of my staff (404) 881-3433 or a representative of the State hazardous waste program.

Sincerely yours,

James H. Scarbrough, Chief Residuals Management Branch

4AW-RM: JHERRMANN: Sm: 3433:12/4/81: 0017S

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ANACONDA Industries

ANACONDA Manet Wire Engineering Center 8th Street & Clay Avenue Muskegon, Michigan 49440 Telephone 616 726 4924

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RECOUTS



February 6, 1981
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Permits Section
U. S. Environmental Protection Agency
345 Courtland Street N. E.
Atlanta, Ga 30365

Re: KYDO42943423

Dear Sir:

Athough we applied for a permit to store hazardous waste at our LaGrange, Kentucky facility, we now elect not to store, so will not retain our waste over 90 days. Please cancel our application for a permit to store hazardous waste.

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Sincerely,

ANACONDA INDUSTRIES

Magnet Wire

Charles Henricks, Manager Energy and Environment

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Plant Manager ·

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WILLIAM G. PETERSON

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<b>(-1</b>	_	į	17		27_	G	*	TT'	5		H	19				111	"]-	12
(-2	-	Н	†-		,	E		$\top$	6									+
1	S	1	91	8700		G		11	7			1					H	+
2	1		1					#	8									+
3	1		T			11	$\prod$	$\dagger \dagger$	9			+	<del></del>		· · · · · · · · · · · · · · · · · · ·			+
4	1		T					11	10			+						++

III. PROCESSES (continued)

OR DESCRIBING OTHER PROCESSES (code "?

FOR EACH PROCEL

Ç.	SP	ACE	FOR	ADDITI	DNAL PI	ROCESS	CODES

- IV. DESCRIPTION OF HAZARDOUS WASTES A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number/s/ from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous westes,
- 3. ESTIMATED ANNUAL QUANTITY -- For each listed waste entered in column A estimate the quantity of that weste that will be handled on an annual besis. For each characteristic or toxic contaminent entered in column A estimate the total annual quantity of all the non-listed waste/s/ that will be handled which possess that characteristic or contaminant.
- 😩 UNIT OF MEASURE For each quantity entered in column 8 enter the unit of measure code. Units of measure which must be used and the appropriate recodes area; and the figure of the control of the

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	KILOGRAMS	K
TONS	METRIC TONS	M

If facility records use any other unit or measure for question, account the appropriate density or specific gravity of the waste. If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into 

#### ), PROCESSES

1. PROCESS CODES:

For listed hezardous waste: For each listed hazardous waste entered in column A select the code/s/from the list of process codes contained in Item III to indicate how the weste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes: contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous westes that possess that characteristic or toxic contaminant,

Note: Four spaces are provided for entering process codes, if more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

JOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by nore than one EPA Hazardous Waste Number shall be described on the form as follows:

- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

:XAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds er year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes re corrosive only and there will be an estimated 200 pounds per year of each waste. The other weste is corrosive and ignitable and there will be an estimated 00 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

	14	N. 1	EP	A_	]		<u> c.</u>	UNI	: [		D. PROCESSES										
	HAZARD. WASTENC (enter code)		NO	QUANTITY OF WASTE		SURE (enter code)			1. PROCESS CODES (enter)											2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
-1	K	0	5	4		900		P	T	T	0	3	D	8	0	1	1		1	T	
.2	D	0	o	2		400		P		T	0	3	D	8	0	T	, ,		Т	1	
-3	D	0	0	1		100		P	1	T	0	3	D	8	0	7	7		T	1	
4	D	0	0	2		<u> </u>					7					1	1	1	T	1	included with above

PAGE 2 OF 5

Form Approved OMB No. 158-\$80004 Spage before completing if y have more than 26 wastes to list. FOR OFFICIAL USE ONLY JMBER (enter from page 1) DUP DUP . DESCRIPTION OF HAZARDOUS WASTES (continued) C.UNIT OF MEA-SURE (enter code) D. PROCESSES A. EPA HAZARD. WASTE NO B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES (enter) 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) (enter code) 29 27 -20 27 003 P F S 0 1 70,000 2 P 0 0 0 70,000 3 5 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

	- 1-01111111111111					
C. SPACE	FOR ADDITIONAL PR	OCESS CODES OF	FOR DESCRIBING	G OTHER PROC	FEETS (code "T"	I. FOR EACH PROCE.
INCLU	DE DESIGN CAPACITY	,	. CK BLIGHT	· · · · · · · · · · · · · · · · · ·	ESSES ICOUR	J. FOR EACH PROCES

47	 DECADE	~~~~			~~~	
•	IIPSI MIP	116 10 6		/ A W ( )		WILLIEU
•	~~~~		л ил		uus	WASTES

. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous westes,

ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed wasta(s) that will be handled which possess that characteristic or contaminant, . .

UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are: 

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE CODE
POUNDSP	 KILOGRAMSK
TONST	METRIC TONS

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

PROCESSES

1. PROCESS CODES:

- - For listed hezardous wests: For each listed hezardous wests entered in column A select the code/s/ from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
  - to indicate how the waste will be stored, treated, and/or disposed of at the facility.

    For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code/s/ from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess. that characteristic or toxic contaminant,
  - Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extrame right box of (tem IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).
- 2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.
- TE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER Hezerdous westes that can be described by e than one EPA Hazardous Waste Number shall be described on the form as follows:
- 1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns 8,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

  In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter
- "included with above" and make no other entries on that line.
- I. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

MPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds rear of chrome shavings from leather tenning and finishing operation. In addition, the facility will treat and dispose of three non-listed westes. Two wastes processee only and there will be an estimated 200 pounds per year of each waste. The other weste is corrosive and ignitable and there will be an estimated pounds per year of that weste. Treatment will be in an incinerator and disposal will be in a landfill.

		E					ME	7]								_				D. PROCESSES
W.	٩S	T	E !	D. 10 12)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	81	u RE					1. P	RC	)CE (en	SS C	:00	ES	3		2. PROCESS DESCRIPTION (if a code is not entered in $D(1)$ )
K	0	7	5	4	900 -		P		T	0	3	D	8	0	7	1		1	1	
D	0	2	0	2	400		P		T	0	3	D	8	0		7		1	1	
D	0	1	0	1	100		P		T	0	3	D	8	0		7		-	1	
	Ļ	1		2									T -	T -				,	7	included with above

nom 3510-3 (6-80)

antinued from the front.			
	rinued)		
. USE THIS SPACE TO LIST ADDITIONAL ROO	ESS CODES FROM ITEM D(1)	ON PAGI, J	" on one
			_
			•
			•
:			
•			
_			
EPA 1.D. NO. (enter from page 1)			
1K Y D 0 4 2 9 4 3 4 2 3 3 6			
'. FACILITY DRAWING	* * * * * * * * * * * * * * * * * * * *		The state of the s
All existing facilities must include in the space provided on		see instructions for more	detail).
I. PHOTOGRAPHS		Programme and the second	ere jaron er
All existing facilities must include photographs (aeric	al or ground-level) that clearly o	delineate all existing st	ructures; existing storage,
reatment and disposal areas; and sites of future stor	age, treatment or disposal areas (	see instructions for m	ore detail).
III. FACILITY GEOGRAPHIC LOCATION	3.44	en jarren erre erre erre erre erre erre erre	aga, shi a basa a ta 🗼 🞉 👵
LATITUDE (degrees, minutes, & seconds,		LONGITUDE (degree	, minutes, & seconds)
38 25 690		8 5 1 2	0 3 2 5
318 213 10:13		72 - 72 7	76 77 - 70
III. FACILITY OWNER			and HVII in the house the left and
A. If the facility owner is also the facility operator as I skip to Section IX below.	isted in Section VIII on Form 1, "Ge	neral Information", place	an "X" in the box to the left and
		A state to the	•
B. If the facility owner is not the facility operator as in	sted in Section VIII on Form 1, com	piete the Tollowing Items	:
1. NAME OF FACIL	ITY'S LEGAL OWNER		2. PHONE NO. (area code & no.)
}			
110			99 99 99 99 99 99 99 99
3. STREET OR P.O. BOX	4. CITY OR	TOWN	S.SY. 6. ZIP CODE
	G		
X. OWNER CERTIFICATION	grid and the search of the	See a see the second	The same of the sa
certify under penalty of law that I have personally	<u></u>		<u></u>
locuments, and that based on my inquiry of those in	ndividuals immediately responsib	le for obtaining the in	formation, I believe that the
ubmitted information is true, accurate, and complete	e. I am aware that there are sign	ificant penalties for su	bmitting false information,
ncluding the possibility of fine and imprisonment.			
A. NAME (print or type)	B. SIGNATURE	,	C. DATE SIGNED
H.M.WENZEL, VICE PRESGEN.MGR.	Da Chara		11/1/1/14/14
			Maria Ma
C, OPERATOR CERTIFICATION			
certify under penalty of law that I have personally locuments, and that based on my inquiry of those in	examined and am familiar with t ndividuals immediately responsib	ne information submi le for obtaining the in	tted in this and all attached formation. I believe that the
submitted information is true, accurate, and complete	te. I am aware that there are sign	ificant penalties for su	bmitting false information,
ncluding the possibility of fine and imprisonment.	· ·		
A. NAME (print or type)	8. SIGNATURE		C. DATE SIGNED
	J. J. J. J. J. J. L.	1	

34 Form 3510.2 (6.80)

CONTINUE ON PAGE 5

HAZARDOUS WASTE INFORMATION SUMMARY (CONTINUED)\_

INSTAL	INSTALLATION NAME: ANACONDA INDUSTRIES, MAGNET WIRE				EPA ID NU	NUMBER:	KYD0,	KYD04-294-3423	
LINE	DESCRIPTION OF WASTE	EPA WASTE NUMBER	DOT HAZARD	PHYSICAL STATE	AMOUNT OF WASTE	UNIT OF MEASURE	DISPOSITION	TRANSFER CODE	HETHOD WETHOD
-	WASTE CAUSTIC WASH SOLUTION UN1760	D002	G¥	L¢M	440	ົວ	KYXT	ALD000622464	
								,	
	WASTE				•				
	PEC.					•			,
	IVE STATE								
				•				•	

**2**∑ REGION: STATE :

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 63 RUN DATE: 02/23/87 RUN TIME: 09:34:54

M.2 - SITE MAINTENANCE FORM

ı

\* ACTION:

TORY IND: Y REMEDIAL IND: Y REMOVAL I IND: N NPL LISTING DATE: NPL D SPILL IDS: AME: BETSY SHAVER CLASSIFICATION: N TIER: REG FLDI: TERM: PENDING ( ) NO FURTHER ACTI DISP: NO VIABLE RESP PARTY ( ) VO ENFORCED RESPONSE ( ) CO	EPA ID : KYD042: SITE NAME: ANACON STREET : HWY 14. CITY : LAGRAM CNTY NAME: OLDHAM LATITUDE : 38/25/1 LL-SOURCE: R	EPA ID : KYD042943423  SITE NAME: ANACONDA IND MAGNET WIRE & CABLE STREET : HWY 146  CITY : LAGRANGE  CNTY NAME: OLDHAM  LATITUDE : 38/25/09.0  LL-SOURCE: R  SMSA : 4520	LE SOURCE: H COMB DIST: 04 ZIP: 40031 " CNTY GODE: 185 LONGITUDE: 085/20/32.0 LL-ACCURACY: '		
/SPILL IDS:  NAME: BETSY SHAVER  CLASSIFICATION:  IN TIER: PENDING () NO FURTHER ACTION (X)  DISP: NO VIABLE RESP PARTY () COST RECOVERY () "	NVENTORY BI TMD: 1		L IND: N FED FAC IND: N	]	
CLASSIFICATION:  SITE APPROACH:  IN TIER:  TERM: PENDING () NO FURTHER ACTION (X)  ENFORCED RESPONSE ()	ITE/SPILL				1
CLASSIFICATION:  SITE APPROACH:  REG FLD2: 6	PM NAME:		RPM PHONE: 404-881-2284	•	
IN TIER: REG FLD1: REG FLD2: 6 "  TERM: PENDING ( ) NO FURTHER ACTION (X) " PENDING (_)  DISP: NO VIABLE RESP PARTY ( ) VOLUNTARY RESPONSE ( ) "	ITE CLAS	IFICATION:	SITE APPROACH:		1
TERM: PENDING ( ) NO FURTHER ACTION (X) * PENDING (_)  DISP: NO VIABLE RESP PARTY ( ) VOLUNTARY RESPONSE ( ) *	IOXIN TIE		REG FLD2: 6		-
DISP: NO VIABLE RESP PARTY ( ) ENFORCED RESPONSE ( )	ESP TERM:	PENDING ( )		* PENDING (_)	NO FURTHER ACTION (_)
			VOLUNTARY RESPONSE ( ) COST RECOVERY ( )	1 1 1 1	

**2**₹ REGION: STATE :

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 64 RUN DATE: 02/23/87 RUN TIME: 09:34:54

M.2 - ALIAS/ALIAS LOCATION MAINTENANCE FORM \* ACTION: ACTION: SOURCE: R ALIAS SEO NO: 01 LL-ACCURACY: FED FAC IND: CONG DIST : LONGITUDE : / / CNTY CODE: HYDRO UNIT: ZIP: ANACONDA IND MAGNET WIRE & CABLE **S**T: CONTIGUOUS PORTION OF SITE? KYD042943423 ALIAS NAME: ANAMAG LTD. ALIAS DESCRIPTION: ALIAS LOCATION LATITUDE : LL-SOURCE: CNTY NAME: EPA ID: STREET SMSA CITY

STATE: KY SITE: ANACONDA IND EPA ID: KYD042948428 PROGRAW QUALIFIER: PROGRAW NAME: SIT	NDA IND M 2948428 IER: SITE	O4 KY ANACONDA IND MAGNET WIRE & CABLE KYDO42943423 PROGRAM CODE: HO1 HUALIFIER: ALIAS LINK : IAME: SITE EVALUATION ON:	U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2 M.2 - PROGRAM MAINTENANCE FORM ACTION:	ROTECTION AGENCY REMEDIAL RESPONSE V 1.2 TENANCE FORM ACTION:	PAGE: RUN DATE: RUN TIME:	: 02/23/87 : 09:34:54
			* *			

REGION: 04 STATE : KY		U.S. ENVIRONMENTAL OFFICE OF EMERGENCY A C E R C L I M.2 - EVENT MA	TRONMENTAL PROTECTION AGENCY HERGENCY AND REMEDIAL RESPONSE E R C L I S V 1.2 - EVENT MAINTENANCE FORM	NJW NJW	PAGE: 02/23/87 1 DATE: 02/23/87 1 TIME: 09:34:54
			* ACTION:		•
SITE: ANACON Program: SITE E	SITE: ANACONDA IND MAGNET WIRE & CABLE PROGRAM: SITE EVALUATION				
EPA ID: KYD042	KYD042943423 PROGRAM CODE: H01	EVENT TYPE: DS1			
FWS CODE:	EVENT QUALIFIER :	EVENT LEAD: E		ł	
EVENT NAME:	DISCOVERY	STATUS:		1	
DESCRIPTION:					
			*		
ORIGINAL	GURRENT	ACTUAL			
START:	START:	START:	-/-/	-/-/-	/-/-
COMP :	COMP :	COMP : 08/01/80	-/-/-	-/-/-	//-
MG COMMENT:			•		•
RG COMMENT:					
					•
COOP AGR #	AMENDMENT # STATUS	STATE X 0		1	i

**2**∑ REGION: STATE :

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 68 RUN DATE: 02/23/87 RUN TIME: 09:34:54

M.2 - COMMENT MAINTENANCE FORM

ANACONDA IND MAGNET WIRE & CABLE SITE:

EPA ID: KYD042943423

COMMENT ₹ 8 100

ACTION

"NO" PART A- ON FILE

**2**2 REGION: STATE :

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF EMERGENCY AND REMEDIAL RESPONSE C E R C L I S V 1.2

PAGE: 69 RUN DATE: 02/23/87 RUN TIME: 09:34:54

M.2 - REGIONAL UTILITY MAINTENANCE FORM

ANACONDA IND MAGNET WIRE & CABLE

KYD042943423 EPA ID: SITE:

CERCLA FY85 COOPERATIVE AGREEMENT; PA 4C85-01 DESCRIPTION: REG CODE:

\* ACTION:

DATE1: DATE2:

DATE3:

FREE FIELD:

NO FURTHER ACTION; NO DISPOSAL ON SITE. 4NFA-01 DESCRIPTION: REG CODE:

DATE1:

DATE3:

DATE2:

FREE FIELD:

\* ACTION: \_

## SITE SCREENING SUMMARY

	No-sanda lad M	sound Illian and Colle
		agnet Wire and Cable
EPA I	10 1: KYD042943423	
Revie	ewer Name: Keith Burch	Date: 01/22/87
ı.	INITIAL REVIEW: (Check where appropriate the control of the contro	priate)
	NPL RCRA * Fed. Fac.	
	NFA reason:	and set of the Control of the Contro
	* Registered generator, E	ut not a 15D tachity.
11.	LEAD: Fund Enforcem	entUnknown
III.	REMOVAL: Needed reason:	
	Completed (score u	sing preremoval conditions)
	NOR 10.96	idence: high medium low /
	/	tion needed to determine disposition)
V !		(Notes/sources for future reference)
	1. RCRA Status Information 2. Observed Release	
<u>د ـ</u> ــ	🔽 3. Target Information	
	<ul><li>4. Distance to Surface Water</li><li>5. Depth to aquifer of concern</li></ul>	
	6. Waste identity 7. Hazardous waste quantity	
	8. Others (list)	
	B. Site Investigation	•
	1. Waste identity 2. Distance to surface water 3. Slope/intervening terrain 4. Containment 5. Observed release (surface) 6. Observed release (ground) 7. Hazardous waste quantity 8. Others (list)	
		and the property it is up the

Facility is a registered generator and transports its waste off site. During the late bods and early 70's waste was flowns ported to the Dawkins Road Site and the Red Penn Landfill, not not which are under investigation.

CRITICAL HRS FACTOR DOCUMENTATION FORM DATE: 01/22/8/
TE NAME: Anaconda Ind. Magnet Wire and Cable
10 1: KY0042943423 REVIEWER: Keith Burch
Is an observed release documented (background and site samples are available and the site is shown to be the source of the contamination) or is one likely?
GROUNDWATER: Yes No V Likely SURFACE WATER: Yes No V Likely Groundwater info source: DA - No sampling or suspected release hosoccume Surface water info source: DA - "
2) What is the depth at the site to the shallowest aguifer used locally for drinking water?
Depth: Known Estimated Unknown Source: Ked Penn SIR indicates that around Water was excountered at ~ 20 feet. May be different at this location.  3) What is the distance to surface water from the hazardous waste?
Distance: 2 miles Known Estimated Unknown Source: 1 continumeasured from facility to personnial tributaky of tamous Creek. Smithfield Quadrangle:  4) What are the most toxic/persistent chemicals at the site: Unknown
a) Dhenol b) Xykne c) Source: Sitefile- Registration of Hazardous Waste Activity
5) What is the hazardous waste quantity?
Quantity: Used Chault value Known Estimated Unknown Source: Waste is shipped Offsite. Name is disposed on site.
6) What is the distance to the nearest <u>public</u> water supply well using the aquifer of concern and what is the population served?
Distance: 3 miles Known V Estimated Unknown Population: Rnown V Estimated Unknown Source: V Active Public Drinking Wafer y Stans Listing
7) What is the distance to the nearest private water supply well using the aquifer of concern and what is the population served within 3 miles?
Distance: 2 Mills Known Estimated Unknown Population: 160 Known Estimated Unknown Unknown Source: Although the tunin Of Lacronae Masksown untersystem if is unknown what two extern of service is. The pole Haltor private wells exists.  3) What is the distance to the nearest downstream surface water intake and the population served?
Distance: 3 miles Known Estimated Unknown Population: 0 Known Estimated Unknown Source: There are no listed intakes (surface water) in Oldham County, and no known private intakes. Ky Active Public Dinking Water Systems Listing.

## HRS SCORE SHEET

DATE: 01/22/87

SITE NAME: Anaconda Ind. Magnet Wire and Cable

EPA ID 1: KYD642943423 REVIEWER: Keith Burch

FACTOR SCORES	Score	<u>Default Known</u>	<u>Estimate</u>
1) Toxicity/persistence (TP) 2) Waste quantity (WQ) 3) Containment (Groundwater) (Cqw) 4) Depth to aquifer of concern (Dac) 5) Distance to nearest well/population (DPg) 6) Containment (Surface Water) (Csw) 7) Distance to surface water (Dsw)	10 13 13 13 3	none (1) (3) (6) none (3) (6)	<del></del>
8) Distance to surface intake/population (DPs)		none	

## S GROUNDWATER ROUTE SCORING:

2) If observed release: 
$$S_{gw} = \frac{(TP + WO)(DP_g + 9)}{12.74}$$

) If no observed release: 
$$S_{gw} = \frac{(D_{ac} + 7) (TP + WQ) (DP_{g} + 9)(C_{gw})}{573.3} = \frac{16.57}{}$$

## SURFACE WATER ROUTE SCORING

If observed release: 
$$S_{SW} = \frac{(TP + WQ)(DP_S + 9)}{14.3}$$

If no observed release: 
$$S_{SW} = \frac{(D_{SW} + 5) (TP + WQ) (DP_q + 9)(C_{SW})}{643.5} = \frac{3.82}{643.5}$$

## TIMEDIA HRS SCORING

D. not score the air route unless an observed release is known to have occurred.

$$s_m = \sqrt{\frac{s_{gw}^2 + s_{sw}^2}{1.73}} = oR \frac{13.26}{NOR t0.96}$$

The scoring in above steps is based on the following default scores:

1) the sum of the scores for net precipitation, permeability, and physical state is  $\frac{7}{2}$ ,

2) the groundwater use is for drinking and the score used is 9.

- 3) the sum of the scores for slope/terrain, rainfall and physical state is
- 4; the sum of the scores for surface water use and distance to sensitive environments is 9.

If these assumptions are known to be substantially incorrect, complete an HFS scoring sheet.

# RCRA/NPL POLICY QUESTIONNAIRE FOR INITIAL SCREENING

Site	e Name Anaconda Ind. Magnet Wire ar	nd Cabic	
City	Labrange state Kent	ucky	· · ·
Faci	iliey 1.9. Hunder KYD 04 2943423	,	
7,700	e of Facility: Generator V Transporter TSD	•	
:.	RCRA APPLICABILITY	/yes	no
	Does the facility have RCRA interim status?		$\leq$
	Did the facility ever have RCRA interim status? ,		$\checkmark$
	Does the facility have a final or post-closure permit? If so, date issued		1
	Is the facility a non-notifier that has been identified by States or EPA?		<u>^</u>
	Is the facility a known or possible protective filer?		$\checkmark$
	STOP HERE IF ALL ANSWERS TO QUESTIONS IN SECTION I	are no	
٠.	FINANCIAL STATUS		
	Is the facility owned by an entity that has filed for bankruptcy under federal laws (Chapter 7 or 11) or State laws?		
	If yes, what has it filed under? Chapter 7 Chapter 11 Other		
::.	ENFORCEMENT		
	RCRA Status		
	Has the facility lost authorization to operate via LOIS, 3005(c) permit denial, 3008(h) IS termination, 3005(d) permit revocation?		· <b>,</b>
	Has the facility's Interim Status been terminated via another mechanism (i.e. administrative termination)?	•	•

## CERCLA Status

What CERCIA financed remedial or removal activities have been initiated at the site? (RI/FS, RD/RA, O&M, forward planning, and removal; does not include enforcement or PA/SI activities)

## **Enforcement Status**

YES

In general, would you characterize the facility as demonstrating an unwillingness to undertake corrective action based on prior State, CERCIA or RCRA actions?

If yes, please describe and cite the authorities exercised.

Is the owner/operator a party to any enforcement action at the site?

If not, why not?

Are any PRPs (including owner/operators) undertaking remadial studies or action in response to CERCLA enforcement authorities? What is the extent/type of work that has been completed (RI/FS, etc.) and who (generators, owner/operatetc.) is conducting the work?